IAEA

International Atomic Energy Agency
Incident and Emergency Centre

MEETING REPORT

FINAL - CORRECTED

CAM/REP/2014

TM-45386

Prepared by: Scientific Secretary

2014-07-24

SEVETH MEETING OF THE REPRESENTATIVES OF COMPETENT AUTHORITIES IDENTIFIED UNDER THE CONVENTION ON EARLY NOTIFICATION OF A NUCLEAR ACCIDENT AND THE CONVENTION ON ASSISTANCE IN THE CASE OF A NUCLEAR ACCIDENT OR RADIOLOGICAL EMERGENCY

REPORT OF THE SEVENTH MEETING

Summary

The Seventh Meeting of Competent Authorities was convened by the IAEA Secretariat at IAEA Headquarters, Vienna, Austria from 19 to 23 May 2014. Ms L. Hubbard, Chairperson of the IAEA's Emergency Preparedness and Response Expert Group (EPREG) chaired the meeting. A total of 121 participants from 68 States and 6 international intergovernmental organizations attended the Meeting.

The Meeting reviewed the conclusions and outcomes from the Sixth Meeting, took note and welcomed reports on activities since the Sixth Meeting on recent developments in nuclear safety, nuclear security and radiation protection as well as on much needed nuclear safety/security integration in emergency response.

The Meeting acknowledged the opportunity for competent authorities and regional representatives to provide information on various relevant topics related to their national emergency preparedness and response programmes – in total 46 national EPR reports were received and 19 were presented at the Meeting. In addition, six regional reports were also presented. The Representative of Japan presented the current situation at the Fukushima Daiichi Nuclear Power Plant. Four Member States and one international organization presented their exercise and training programmes. The Meeting appreciated the information presented and proposed that similar opportunities for information sharing are scheduled at the Eighth Competent Authorities Meeting.

The Meeting acknowledged the importance of collaboration on emergency preparedness and response among competent authorities, both within and between the regions, and noted that for some regions this collaboration can also be facilitated by the NCACG representatives. Finally, the Meeting agreed to keep the NCACG in reserve; however, the regions may assist the IEC as required in preparing the 2016 Competent Authority Meeting.

The Meeting discussed the assessment and prognosis process in an emergency and emphasized the importance of continuing collaboration between the IAEA Secretariat and Member States to explore challenges and limitations in its implementation.

Finally, the IAEA's goals and challenges in the next two years regarding emergency preparedness and response were presented and discussed.

The Meeting completed all agenda items and, in total, 23 meeting conclusions were endorsed.

The Eighth Competent Authorities Meeting will be held from 23 to 27 May 2016.

CONTENTS

INT	TRODUCTION	3
1.	OPENING OF THE MEETING	
2.	REPORTS TO THE MEETING	4
3.	EMERGENCY PREPAREDNESS AND RESPONSE EXPERT GROUP	5
4.	RECENT DEVELOPMENTS IN NUCLEAR SAFETY AND SECURITY	5
5.	SHARING OF EXPERIENCES – LESSONS LEARNED IN EPR	6
6.	NATIONAL EPR REPORTS	6
7.	EXERCISES AND TRAINING PROGRAMMES IN EPR	7
8.	NCACG MATTERS	8
9.	EARLY NOTIFICATION CONVENTION – PRACTICAL IMPLEMENTAT	3 NOI
10.	ASSISTANCE CONVENTION – PRACTICAL IMPLEMENTATION	9
11.	IAEA EMERGENCY ASSESSMENT AND PROGNOSIS	9
12.	IAEA GOALS AND CHALLENGES IN EPR	9
13.	CONCLUSIONS OF THE MEETING	10
14.	CLOSING OF THE MEETING	11
APF	PENDIX I: LIST OF PARTICIPANTS	12
APF	PENDIX II: MEETING AGENDA	32
APF	PENDIX III: MEETING CONCLUSIONS	38

INTRODUCTION

- 1. The Seventh Meeting of Representatives of Competent Authorities (CAs) identified in accordance with the Convention on Early Notification of a Nuclear Accident (Early Notification Convention) and the Convention on Assistance in the Case of a Nuclear Accident or Radiological Emergency (Assistance Convention) took place in Vienna from 19 to 23 May 2014 at the invitation of the International Atomic Energy Agency.
- 2. Some 115 representatives of competent authorities from 68 States, and 6 representatives from international intergovernmental organizations attended the Seventh Meeting. The list of participants is attached in Appendix I.
- 3. The following documents were prepared and made available to participants¹ prior to the Meeting.

Meeting Documents	
CAM/DOC/2014/00	Provisional Meeting Agenda
CAM/DOC/2014/01	Report on CA Meeting's Conclusions 2012
CAM/DOC/2014/02	Report on NCACG's Activities
CAM/DOC/2014/03	Report on IEC's Activities
CAM/DOC/2014/04	IAEA Assessment and Prognosis
CAM/DOC/2014/05	ConvEx-3 (2013) – Exercise Report
CAM/DOC/2014/06	Nuclear Safety and Security Integration in EPR – Benefits and Challenges
CAM/DOC/2014/07	International Radiation Monitoring Information System (IRMIS)
CAM/DOC/2014/08	Arrangements for Communicating during Incidents and Emergencies
CAM/DOC/2014/09	Implementation of the Assistance Convention

- 4. The following Meeting side events were also prepared and conducted: regional CA meetings, the third regular RANET meeting, a display of IAEA standards, guidelines and tools in emergency preparedness and response (EPR) and workshops on plume modelling, the IAEA assessment and prognosis process, communications in emergencies (through the Unified System for Information Exchange in Incidents and Emergencies [USIE]) and data visualization in IRMIS.
- 5. All Meeting presentations and all national EPR reports are available on USIE.

1. OPENING OF THE MEETING

6. Mr D. Flory, Deputy Director General of the Department of Nuclear Safety and Security (DDG-NS) opened the Meeting and expressed the IAEA's appreciation for the wide range of cooperation in providing experts and resources to the IAEA for implementation of its programme in nuclear safety and security. On behalf of the IAEA, he expressed gratitude to Morocco for extending full support and cooperation in the preparation and successful conduct of the ConvEx-3 (2013) exercise. He emphasized the importance of nuclear safety and nuclear security interfaces, in particular, with regard to response to an emergency triggered by a nuclear security event. He also pointed out that this will be the first Competent Authorities Meeting to have States present national EPR reports. Mr D. Flory stressed the importance of Member States' involvement in the implementation of the IAEA's

_

¹ Documents are available on the USIE website.

extended mandate on assessment and prognosis during a nuclear or radiological emergency as part of the implementation of the Action Plan on Nuclear Safety. He concluded his opening address by wishing fruitful discussions and a successful week.

- 7. Ms E. Buglova, Head, Incident and Emergency Centre (IEC) of the IAEA, warmly welcomed the participants and introduced Ms L. Hubbard as chairperson of the meeting. Ms L. Hubbard is currently chairperson of the IAEA's Emergency Preparedness and Response Expert Group (EPREG), a senior emergency preparedness and response advisory group providing advice to the DDG-NS.
- 8. Ms L. Hubbard expressed her appreciation for being given the opportunity to chair such an important meeting. She encouraged the participants to actively participate in meeting discussions and contribute to strengthening worldwide EPR.
- 9. Mr R. Martincic, Scientific Secretary of the Meeting, presented the Meeting's objectives and expectations and explained the Meeting's logistics. He emphasized that this is not a meeting of the Parties to the Early Notification and Assistance Conventions but a technical meeting of representatives of competent authorities identified according to both conventions. Since EPR is universal, all States and relevant international organizations were invited to attend the Meeting.
- 10. Ms L. Hubbard presented the provisional meeting agenda, proposed inclusion of the Russian EPR presentation on 20 May 2014 and asked for any further corrections. The representative from Turkey raised a concern related to the planned parallel sessions, which would make attendance to all Meeting events practically impossible. Ms E. Buglova explained that the meeting programme and schedule was developed to include a maximum number of activities within the given time in one week. The point of parallel meeting events was noted and the Chair announced the adoption of the proposed meeting agenda (see Appendix II).

2. REPORTS TO THE MEETING

- 11. Mr R. Martincic presented the summary of the IAEA Secretariat's response to the twenty-one conclusions endorsed at the Sixth Competent Authorities Meeting held in 2012. The IAEA Secretariat implemented 13 conclusions; 3 conclusions did not require any specific action; the implementation of 4 conclusions is in progress, while the implementation of 1 conclusion has not yet been initiated. He also explained that implementation of four conclusions regarding NCACG will be presented and discussed later during the week.
- 12. Mr G. Macsuga, National Competent Authorities' Coordinating Group (NCACG) Chair, presented the report on the NCACG activities since the Sixth Competent Authorities Meeting in 2012. He summarized the implementation progress of the tasks listed in the NCACG work plan and described the additional tasks undertaken by the NCACG in preparing for the Seventh Competent Authorities Meeting, e.g. reviewing national EPR reports, summarizing and presenting regional EPR issues and challenges. In addition, he informed the Meeting on topics that are to be discussed at the regional competent authorities meetings scheduled for Wednesday, 21 May 2014, including discussions on merging the Eastern and Western European regions.
- 13. Ms E. Buglova presented on relevant IEC activities since 2012 ranging from EPREV services, the development of EPR standards, guidelines, tools and operational documents, capacity building in EPR and enhancing IAEA's response arrangements and capabilities.
- 14. Mr V. McClelland, United States of America (USA) Department of Energy, former Chair of the Working Group on Long-Term Sustainability of Emergency Preparedness and Response Programme, presented on the implementation progress of recommendations prepared under the International Action Plan for Strengthening the International Preparedness and Response System for Nuclear and Radiological Emergencies (2004–2009).
- 15. Mr G. Caruso, Special Coordinator, Nuclear Safety Action Team, presented on the implementation progress, key achievements and future challenges of the Action Plan on Nuclear

Safety. He identified Member States and international organizations as the main stakeholders contributing to the successful progress of the Action Plan. Almost 180 experts from 40 Member States and international organizations, including IAEA staff, participated in its implementation.

16. The Meeting noted all five reports and welcomed the work done. In the discussions that followed, representatives of competent authorities from Iran, Japan, Nigeria and the USA took part. The issues raised were the comprehensive report on the Fukushima Daiichi nuclear accident, the increasing number of peer review missions and their effectiveness, the lack of activity from the NCACG and the announcement of topics that will be covered under agenda item five – sharing of experiences.

3. EMERGENCY PREPAREDNESS AND RESPONSE EXPERT GROUP

- 17. Ms E. Buglova presented the background for the establishment of the IAEA's EPREG, a standing body of senior experts with high professional competence and demonstrated leadership in EPR. The group's objective is to strengthen and sustain sound preparedness for nuclear and radiological incidents and emergencies by providing advice to the DDG-NS. The group comprises 18 experts from all regions and was established on 11 February 2013. She also briefed the Meeting on EPREG activities since its inception.
- 18. The representatives of the competent authorities of China, India, Ireland, Norway, Pakistan, the Russian Federation and South Africa participated in the discussion that followed the presentation. Questions were raised regarding the mechanism for providing advice and giving feedback on the views of competent authorities (EPREG members act in their personal capacity and do not represent Member States or regions), mechanisms for sharing information on EPREG activities (EPREG is the DDG-NS advising body), terms of expert appointment for EPREG members and connections between EPREG members and the NCACG (no connections). These issues were addressed either by Ms E. Buglova or by Ms L. Hubbard.

4. RECENT DEVELOPMENTS IN NUCLEAR SAFETY AND SECURITY

- 19. Mr J. Lyons, Director, Division of Nuclear Installation Safety at Department of Nuclear Safety and Security (NSNS) presented highlights, issues and challenges in nuclear safety. Ms R.L. Evans, Division of Nuclear Security, presented on nuclear security and Mr P. Miroslav, Section Head in the Division of Radiation, Transport and Waste Safety, gave a presentation on radiation safety after the Fukushima Daiichi nuclear accident.
- 20. Mr L. Castle, Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) and member of EPREG, presented challenges and benefits of nuclear safety and nuclear security integration.
- 21. In the discussions that followed, the Meeting Chair and representatives of the competent authorities from France, Ghana, Iran, Japan, Norway, Tunisia, the USA and Sudan raised questions and gave comments regarding the cross-cutting nature of EPR, the prevention of incidents and emergencies, the interface between nuclear safety and security, the safety authorities in Japan, the IAEA's view on addressing the effects of low level radiation exposure in the safety standards and the concept of being 'safe'. The Meeting took note of the presentations and the associated issues and comments that were raised.

5. SHARING OF EXPERIENCES – LESSONS LEARNED IN EPR

- 22. Mr F. Baciu, IEC, presented on recent IAEA assistance missions, Mr H.B. Okyar, Organisation for Economic Co-operation and Development's Nuclear Energy Agency (OECD/NEA), presented a survey on emergency management issues and lessons and key findings and Ms Z. Carr, World Health Organization (WHO), reported on EPR lessons learned in WHO.
- 23. Mr N. Ichii, International Affairs Division, Nuclear Regulation Authority of Japan (NRA) presented the current status of the Fukushima Daiichi Nuclear Power Station and EPR activities in Japan.
- 24. The representatives of the competent authorities of Finland, Hungary, Tunisia, Ukraine and the USA, as well as the Meeting Chair and the representative of WHO, participated in the discussion that followed these presentations. The following subjects were raised: iodine tablet distribution policy, the time frame for the WHO's publication on iodine prophylaxis, the emergency response plan on possible emergencies related to the large volume of contaminated water stored at the Fukushima Daiichi site, the current funding mechanisms for assistance missions, the relationship between WHO and the Pan American Health Organization (PAHO), the role of the Japanese NRA in 'peace time' and during a nuclear emergency, improvements in Japan EPR capabilities, frequently repeated industrial radiography accidents and the way to decrease the number of such events.

6. NATIONAL EPR REPORTS

- 25. National EPR Reports **regional overviews.** Ms H. Aaltonen, Radiation and Nuclear Safety Authority, Finland, presented the Nordic approach to EPR; Ms A. Hammou, Tunisia, summarized EPR issues in Africa, Mr M.N. Hussain, Pakistan Nuclear Regulatory Authority, prepared an overview for the Asia Pacific region; Mr V. McClelland presented an overview for North America; Ms C. McMahon, Radiation Protection Institute of Ireland, presented an EPR overview for Europe (Western and Eastern European region) and Mr P. Jerez Vegueria, National Centre for Nuclear Safety, Cuba, presented an overview for Latin America and the Caribbean.
- 26. In the discussion that followed, Competent Authority representatives of Australia, Canada, Iran and Tunisia raised questions and comments regarding monitoring stations, established European EPR capabilities, the number of countries in the Asia Pacific region (29 countries) and the number of national EPR reports received from the Asia Pacific region, availability of national EPR reports and civil liability and compensation issues.
- 27. National EPR Reports **national overviews**. National EPR reports were presented by Algeria (Mr S. Chelbani), Australia (Mr L. Castle), Belgium (Mr C. Vandecasteele), Bulgaria (Ms M. Nizamska), Canada (Mr P. Webster), Chile (Ms L. Villanueva), China (Mr P. Xu), Czech Republic (Ms D. Drabova), France (Mr L. Kueny), Germany (Mr E. Wirth), Indonesia (Mr H. Suharyanta), Ireland (Ms C. McMahon), Netherlands (Mr W. Molhoek), Mali (Mr N. Kone), Nigeria (Mr I. Sambo), Norway (Ms E. Holo), the Russian Federation (Mr A. Erastov), South Africa (Mr T. Motsumi), Sudan (Mr M. Y. Hamadalneel), Sweden (Ms L. Hubbard) and the USA (Mr V. McClelland).
- 28. The competent authority representatives from the following States participated in the discussions following the national reports: Australia, Cuba Iran, Ireland, South Africa, Nigeria, Norway and the USA.
- 29. Ms L. Hubbard thanked all presenters and noted that the reports focused on different EPR aspects, some on EPR issues and challenges and others on national EPR systems depending on the scale of the national nuclear/radiological programmes (substantial, medium, small).
- 30. The discussions that followed the presentations covered issues and challenges in preparing and sharing national EPR reports and the way forward in this respect, the competent authority

representatives of the following States expressed their opinions: Australia, Belgium, Bulgaria, China, Cuba, the Czech Republic, Finland, France, Germany, Hungary, Indonesia, Ireland, Japan, Kenya, Norway, Pakistan, the Russian Federation, Switzerland and the USA. The opinions ranged from strong support to continue with the national EPR reports because they present a valuable source of information, experiences and good practices (expressed mainly by countries with medium or small nuclear/radiological programmes) to those that were questioning the value and purpose of these reports (expressed mostly by countries with highly developed nuclear programmes) stating that such reports are not required under the Early Notification and Assistance Conventions, that Parties to the Convention on Nuclear Safety already need to prepare reports under chapter 16, and that they are not in favour of creating a new reporting mechanism. Some representatives proposed to have topical discussions instead of general presentations on national EPR systems. The discussion on the availability of current national EPR reports resulted in a conclusion that all reports will be made available to all competent authorities through the USIE website. No explicit decision has been made regarding the future of national EPR reports, however, a tendency to have topical EPR discussions at the next competent authorities meeting prevailed.

7. EXERCISES AND TRAINING PROGRAMMES IN EPR

- 31. Mr G. Winkler, IEC, presented an evaluation (analyses and trends) of ConvEx-1 and 2 exercises conducted in recent years. In this regard, there are two key issues: (1) a relatively high number of nonworking communication channels with the competent authorities and (2) 20–30% of Contact Points have never responded to any ConvEx message. In the brief discussions that followed, representatives of the World Meteorological Organization (WMO), Australia, Iran and Japan, took part with questions and comments.
- 32. The ConvEx-3 (2013) exercise, held in November and hosted by Morocco, was designed to allow Member States and international organizations to evaluate their response to a severe radiological emergency triggered by a nuclear security event and to identify EPR areas requiring improvement.
- 33. Ms I. Soufi, CNESTEN, Morocco, presented a ConvEx-3 (2013) national exercise report summarizing national exercise preparation, the exercise scenario and an evaluation of the exercise, including key lessons identified and EPR areas needing improvements.
- 34. Mr R. Martincic presented the international part of the ConvEx-3 (2013) summarizing overall exercise conclusions and recommendations. Fifty-nine Member States, including Morocco, and ten international organizations, including the Agency, participated in the exercise. The participation of relevant international organizations (including INTERPOL and Europol) contributed to the harmonized international response and the provision of consistent public information.
- 35. Comparing the ConvEx-3 (2013) conclusions with the conclusions from the ConvEx-3 (2005) and ConvEx-3 (2008), it is clear that: (1) improvement has been achieved in the way information is exchanged/shared, (2) substantial progress has been made in the coordination of public information among the international organizations, and (3) not much improvement (if any) has been achieved in consulting/sharing information on protective and other response actions, particularly among neighbouring Member States.
- 36. Effective cooperation with the Moroccan Government in preparing, conducting and evaluating the exercise contributed to the improvement of emergency preparedness to respond to radiological emergencies worldwide. The representative from the USA observed that it was certainly a challenge to prepare and conduct the first ConvEx-3 exercise that was not based on a nuclear power plant scenario but on a radiological emergency triggered by nuclear security events and Morocco is to be commended.

- 37. Belgium (Mr C. Vandecasteele), Bulgaria (Ms M. Nizamska), Hungary (Mr G. Mascuga) and Portugal (Mr J.O. Martins) presented their national exercise and training programmes in EPR. Representatives of the competent authorities of Australia, Germany and Luxemburg took part in the discussion that followed.
- 38. Mr H.B. Okyar, OECD/NEA, presented a series of International Nuclear Emergency Exercises (INEX) that started as early as 1993 with the INEX-1 exercise. At present, the NEA is preparing an INEX-5 exercise based on a nuclear power plant event, exacerbated by a natural disaster. In the discussion that followed, Mr H.B. Okyar replied to one comment (IEC) and one question (India).
- 39. The Meeting Chair agreed to amend the meeting agenda with a presentation on the Mexican radiological emergency of December 2013. Mr A. Cortes Carmona, Nuclear Safety and Safeguards National Commission, described the theft of a vehicle carrying a 111 TBq (3000 Ci) ⁶⁰Co teletherapy unit and summarized the Mexican response and recovery operations.

8. NCACG MATTERS

- 40. Regional representatives summarized discussions and conclusions from regional competent authorities meetings: Africa (Ms A. Hammou), Asia Pacific (Mr M.N. Hussain), Eastern and Western Europe (Ms C. McMahon), Latin America (Mr Jerez Vegueria), North America & Mexico (Mr J. Fladeboe).
- 41. The Eastern and Western European regions that held a joint regional meeting decided to merge the two regions into one region, called 'region of Europe' or 'European region'.
- 42. The regions of Europe, Asia Pacific, Africa and Latin America selected their new NCACG representatives.
- 43. The opinions regarding the future of the NCACG spanned from 'no need to continue' (Australia and the USA), to 'put on ice' (European and Latin America regions), to 'keep it' (Africa and Asia Pacific regions).
- 44. Mr G. Macsuga, presented NCACG issues and challenges stressing that regions are of very different sizes, in number of countries as well as in nuclear programmes, and have different regional priorities and different regional visions on NCACG's future. But he also pointed out that regional and interregional communications are, and should be, common for all regions and that NCACG can play a significant role in these communications.
- 45. The representatives of the following States took part in the discussions that followed, expressing their opinions and proposals: Australia, Chile, China, France, India, Iran, Ireland, Japan, Kazakhstan, Nigeria, Norway, Portugal, the Russian Federation, Sudan, Tunisia and the USA. Finally, the Meeting agreed that the structure of regional representatives be kept in reserve (see Conclusion CAM-2014/13). As a result of this discussion, neither a new NCACG Chairperson, nor regional representatives were selected by the Meeting.

9. EARLY NOTIFICATION CONVENTION – PRACTICAL IMPLEMENTATION

46. Mr G. Winkler, IEC, presented the practical implementation arrangements for the Early Notification Convention, including the current status of Parties, number of designated competent authorities and points of contact, diverse communication channels for notifications and information exchange/sharing including USIE, current communication arrangements (IEComm, IRIX) as well as communication issues (States that have not yet designated Contact Points, non-working communications).

47. The representatives of Chile, Finland and Japan took part in the discussion with their views and ideas to further enhance USIE features, e.g. to include information on the country's protective actions decisions in an emergency, basic information regarding nuclear power plants, country specific emergency preparedness zones and distances, protection strategies, etc. The Meeting took note of those communications issues and urged States to implement the established communication arrangements.

10. ASSISTANCE CONVENTION - PRACTICAL IMPLEMENTATION

- 48. Mr P. Kenny, IEC, presented aspects and arrangements of the practical implementation of the Assistance Convention together with open issues and challenges, current status of Parties and registrations of National Assistance Capabilities in RANET, the current RANET publication (EPR-RANET 2013), the RANET database on USIE and RANET workshops. He also presented issues and possible solutions in financing assistance missions, and the development of guidelines on minimum assistance compatibility requirements.
- 49. The following States participated in the discussion and required additional clarifications or expressed their views regarding open issues: Australia, Belgium, France, India, Iran, Japan and Norway. The key issues discussed were the concept of a 'Special Assistance Fund' and the establishment of minimum assistance compatibility guidelines.

11. IAEA EMERGENCY ASSESSMENT AND PROGNOSIS

- 50. Mr J. Chaput, IEC, presented and explained current arrangements, challenges and limitations in providing Member States, international organizations and the general public with timely, clear, factually correct, objective and easily understandable information during a nuclear or radiological emergency, including the analysis of available information and the prognosis of likely event progression and potential consequences. He stressed that a critical set of technical parameters will need to be exchanged between an 'Accident State' and the IAEA Secretariat if the assessment and prognosis process is to produce useful results. States operating nuclear power reactors were encouraged to prepare for providing the IAEA Secretariat with the relevant technical data for easier implementation of the assessment and prognosis process.
- 51. The representatives from Australia, Bulgaria, China, Finland, France, Germany, Iran, Norway, Pakistan, the United Kingdom and the USA took part in the discussions and expressed their views and concerns. The Meeting took note of the process and emphasized the importance of continuing collaboration between the IAEA Secretariat and Member States and that the IAEA emergency assessment and prognosis capabilities should be built on Member States' capabilities. Member States with relevant capabilities were urged to register their capabilities for assessment and prognosis in RANET.

12. IAEA GOALS AND CHALLENGES IN EPR

52. Mr J.-F. Lafortune, IEC, explained the concept of the EPR Capacity Building Centres (CBCs). Following the presentation, representatives of Norway and the USA raised several considerations in relation to the interface of such CBCs with the RANET CBC in Fukushima Prefecture, as well as with similar activities undertaken within the IAEA Secretariat in other areas (nuclear security, radiation and transport safety and nuclear installation safety) and the need for ensuring good coordination among all these activities to avoid duplication. In addition, the Meeting discussed how these centres would contribute to better EPR and some associated practical arrangements with regard to funding, their legal status, etc. The representative from Japan briefed the meeting on the past and future

activities at the RANET CBC in Fukushima Prefecture and emphasized Japanese commitment to further support the centre.

- 53. Mr R. Salinas, IEC, presented activities to further improve EPREV effectiveness. In the discussion that followed, the representative of the USA questioned how such missions considered the hazards applicable for the host country, what the costs associated with an EPREV mission were and how appropriately the emergency arrangements were assessed and measured. The representative of France requested clarification whether the EPREV is an appraisal or a peer review service; while peer review was considered as appropriate, he deemed it as unacceptable for a developed country like France to invite prescriptive appraisal of their emergency arrangements against a standard with no binding nature. The representative of Sudan questioned whether an EPREV mission could be invited prior to making some emergency arrangements operational, in order to use outcomes of such a mission for improving compliance of arrangements with international standards.
- 54. Mr J.-F. Lafortune presented the development of a specific EPR network within the Global Nuclear Safety and Security Network (GNSSN). Following the demonstration of the dedicated web work space, the representatives of Israel, Norway and the USA expressed their positive views and some concerns (Norway) on the development with regard to fostering regional cooperation and sharing of information in EPR, and discussed a few practicalities in relation to the network.
- 55. Mr F. Baciu, IEC, presented the development of the International Radiation Monitoring Information System (IRMIS). Following the presentation, the representatives of France, Germany, Hungary, Norway, Pakistan and the USA expressed their support and concerns related to the formal basis for the system. Many practical arrangements of the system were discussed, such as the possibility to include data from mobile monitoring systems as well as CTBTO monitoring data, its applicability for both routine and emergency monitoring, formal arrangements in place for sharing and use of data from different systems and networks and possibility for provision of verified vs. unverified monitoring data. The representative of Hungary explained that similar efforts were undertaken in Hungary too, and emphasized their efforts to correlate monitoring results with the required protective actions. He considered that cooperation between Hungary and the IAEA Secretariat on this could be of benefit for both sides.
- 56. Mr J.-F. Lafortune presented the IEC efforts to develop an Emergency Preparedness and Response Information Management System (EPRIMS). This web-based platform will allow Member States to share information with selected Member States, exchange information on national arrangements and discuss aspects related to emergency preparedness and response with other Member States. The representatives of the Netherlands and Nigeria requested clarification on how this system was linked with similar IAEA systems and self-assessment tools such as Thematic Safety Area 5 on EPR in RASIMS (Radiation Safety Information Management System) and SARIS (Self-Assessment of Regulatory Infrastructure for Safety). In addition, the representatives of Austria, the Netherlands and the USA discussed some practicalities associated with the system in relation to its status, the IAEA Secretariat's access to information posted in the system and its usability when information and forums were to be in different languages.

13. CONCLUSIONS OF THE MEETING

- 57. Ms L. Hubbard presented the proposed draft of the meeting conclusions. She explained that this draft is based on the discussions held throughout the week. She opened the floor for discussions on each of the proposed conclusion.
- 58. Representatives from China, France, Hungary, Iran, Ireland, Nigeria, Norway, the Russian Federation, Slovakia, Tunisia and the USA expressed their comments, feedbacks and proposals for changes. The fruitful discussion resulted in the Meeting endorsing a total of 23 conclusions. Endorsed Meeting conclusions are provided in Appendix III of this report.

14. CLOSING OF THE MEETING

- 59. Ms L. Hubbard thanked all the Meeting participants for their contributions and for the fruitful discussions throughout the week. Thereafter, she gave the floor to Ms E. Buglova to close the meeting.
- 60. Ms E. Buglova, on behalf of Mr D. Flory, DDG-NS, noted the great contribution by all participants and thanked them for the productive discussions aimed at improving the worldwide EPR framework. She reassured that the IAEA Secretariat will follow-up on the issues that were discussed and agreed upon. In her capacity as Scientific Secretary, Ms Buglova expressed her gratitude to Ms L. Hubbard for chairing the Seventh Competent Authorities Meeting.
- 61. Ms L. Hubbard closed the Meeting on Friday, 23 May 2014 at 14:30.

APPENDIX I: LIST OF PARTICIPANTS

# STATE PARTICIPA	NTS
1 ALBANIA Mr Rustem PA	
Radiation Pro	ection Office
A Moisiu 80	
Tirana	
Tel: +355 423	7 0057
Fax: +355 423	7 0058
rustial@yahoo	o.com
2 ALGERIA Mr Samir CH	ELBANI
Atomic Energy	y Commission (COMENA)
02, Bd Frantz	Fanon
Alger	
Tel: +213 21 4	13 35 48/60
Fax: +213 21	43 35 39/40
s.chelbani@co	omena-dz.org
3 AUSTRALIA Mr Loch CAS	TLE
Australian Ra	diation Protection and Nuclear Safety Agency
(ARPANSA)	, ,
38-40 Urunga	Parade
P.O. Box 655	
MIRANDA N	SW 1490
Tel: 95418323	
Fax: 0061 2 9	541 8314
loch.castle@a	rpansa.gov.au
4 AUSTRIA Mr Peter HOF	
	try of Agriculture, Forestry, Environment and Water
Management	
	Radiation Protection
Radetzkystras	se 2
1031 Vienna	
Tel: +43 1 71	00 4453
Fax: +43 1 71	2 2331
peter.hofer@b	mlfuw.gv.at
5 Mr Philipp M	TTERBAUER
Federal Minis	ry of Agriculture, Forestry, Environment and Water
Management	
Division V/7	Radiation Protection
Radetzkystras	se 2
1031 Vienna	
Tel: +43 1 71	00 4662
Fax: +43 1 71	
	<u>bauer@bmlfuw.gv.at</u>
6 AZERBAIJAN Mr Emin MA	
The State Age	ncy on Nuclear and Radiological Activity Regulation
N. Rafyiev	
Baku AZ1025	
Tel: +99 412 :	
	v@gmail.com
7 BELARUS Mr Aleksei R.	
Ministry of Fo	
Leniwa Str. 19	
Minsk 220030	
Tel: +375 17 2	226 1519

#	STATE	PARTICIPANTS
8	BELGIUM	Mr Christophe GENET
		Bel V
		Rue Walcourt 148 Walcourtstraat
		1070 Brussels
		Tel: +32 2 528 0216
		Fax: +32 2 528 0201
		<u>christophe.genet@belv.be</u>
9		Mr Christian VANDECASTEELE
		Federal Agency for Nuclear Control (FANC)
		Ravenstein Street 36
		B-1000 Brussels
		Tel: +32 2 289 2068
		Fax: +32 2 289 2152
		<u>Christian.vandecasteele@fanc.fgov.be</u>
10	BULGARIA	Ms Marina NIZAMSKA
		Nuclear Regulatory Agency
		69, Shipchenski prokhod blvd.
		1574 Sofia
		Tel: +359 2 940 6880
		Fax: +359 2 940 6889
		M.Nizamska@bnsa.bas.bg
11	BURKINA FASO	Mr Delwende NABAYAOGO
		National Radiation Protection and Nuclear Safety Authority (ARSN)
		03 BP
		Avenue Joseph Ki Zerbo
		7044 Ouagadougou 03
		Tel: +226 5046 8105
		Fax: +226 5031 0675
		nabayaogo@hotmail.com
12	CANADA	Mr Philip WEBSTER
12		Permanent Mission of Canada
		Laurenzerberg 2
		1010 Vienna
		Tel: +43 1 531 3832-48
		Mobile: +43 664 812 3697
		Philip.Webster@international.gc.ca
13	CHILE	Ms Loreto VILLANUEVA
		Chilean Nuclear Energy Commission
		Amunategui No. 95
		Santiago
		Tel: +56 2 3646 296
		Fax: +56 2 3646 277
		<u>lvillanu@cchen.cl</u>
14		Mr Jaime SALAS
		Chilean Nuclear Energy Commission
		Amunategui No. 95
		Santiago
		Tel: +56 2 2470 2600
		Fax: +56 2 2470 2598
		jaime.salas@cchen.cl
15	CHINA	Mr Ping XU
		Deputy Director General
		National Nuclear Emergency Response Office (CAEA)
		A8, Fucheng Road
		Haidian District
		Beijing 100048
		Tel: +86 10 8858 1189
		xuping@caea.gov.cn
		xuping(w/caea.gov.cn

#	STATE	PARTICIPANTS
16		Ms Min HUANG
		Division Director
		National Nuclear Emergency Response Office (CAEA)
		A8, Fucheng Road
		Haidian District
		Beijing 100048 Tel: +86 10 8858 1028
		huangmin@caea.gov.cn
17		Mr Yulong LIU
17		The General Hospital of Nuclear Industry
		NO. 1055 Sanxiang Road
		1055 Sanxiang Road
		Jiangsu
		SUZHOU 215004
		Tel: +86 512 6778 3602
		Yulongliu2002@126.com
18		Mr Wei CHENG China Institute for Radiation Protection
		No. 102 Xuefu Street
		Taiyuan City
		Shanxi 030006
		Tel: +86 351 220 2140
		chengwei@cirp.org.cn
19		Mr Jiangang ZHANG
		China Institute for Radiation Protection
		No. 102 Xuefu Street
		Taiyuan City
		Shanxi 030006 Tel: +86 351 220 2140
		zhangjiangang@cirp.org.cn
20		Ms Jiejuan TONG
20		Tsinghua University
		Energy Science Building A
		Beijing 100084
		Tel: +86 10 6278 7135
		Fax: +86 10 62771150
		tongjj@tsinghua.edu.cn
21	CROATIA	Ms Stela ZAMBOKI
		State Office for Radiological and Nuclear Safety Franko Panska 11
		10 000 Zagreb
		Tel: +385 1 4881 770
		Fax: +385 1 4881 780
		Stela.zamboki@dzrns.hr
22		Mr Sasa MEDAKOVIC
		State Office for Radiological and Nuclear Safety
		Franko Panska 11
		10 000 Zagreb
		Tel: +385 1 4881 770 Fax: +385 1 4881 780
		sasa.medakovic@dzrns.hr
22	CUDA	Mr Pablo JEREZ VEGUERIA
23	CUBA	National Centre for Nuclear Safety
		Calle 28 # 504 entre 5ta 7ma, Playa
		Ciudad de La Habana
		Tel: +537 202 3166
		Fax: +537 202 3166
		pablo@orasen.co.cu

#	STATE	PARTICIPANTS
24	CZECH REPUBLIC	Ms Vera STAROSTOVA
		State Office for Nuclear Safety
		Senovazne nam. 9
		11000 Prague 1
		Tel: +420 221 624 628
		Fax: +420 224 234 590
		vera.starostova@sujb.cz Ms Michaela BODOVA
25		
		State Office for Nuclear Safety Senovazne nam. 9
		11000 Prague 1
		Tel: +420 221 624 742
		Fax: +420 224 234 590
		michaela.bodova@sujb.cz
26	DENMARK	Mr Jimmy THOMSEN
20	DENWARK	Danish Emergency Management Agency
		Nuclear Division
		Datavej 16
		DK-3460 Birkeroed
		Tel: +45 4590 6000
		jt@dema.gov.dk
27		Mr Steen Cordt HOE
		Danish Emergency Management Agency
		Nuclear Division
		Datavej 16
		DK-3460 Birkeroed Tel: +45 4590 6000
		Hoe@dema.gov.dk
20	ECYPE	Mr Abdelfatah Abdelal HAMED OSMAN
28	EGYPT	Egyptian Atomic Energy Authority
		3 Ahmed El Zomor st.
		P.O. Box 7551
		Nasr City
		Cairo
		Tel: +202 2273 8668
		Fax: + 202 2274 0238
		<u>abd.alfatah@hotmail.com</u>
29		Mr Mootaz Ebied SHALAF
		Permanent Mission of Egypt
		Hohe Warte 50-54
		1190 Vienna
		Tel: +43 676 3030 806 egyptembassyvienna@egyptembassyvienna.at
20	ECEONI 1	Mr Uko RAND
30	ESTONIA	Environmental Board
		Narva mnt 7a
		15172 Tallinn
		Tel: +372 664 4927
		Fax: +372 664 4901
		uko.rand@keskkonnaamet.ee
31	FINLAND	Mr Antero KUUSI
		STUK-Radiation and Nuclear Safety Authority
		P.O. Box 14 (Laippatie 4)
		FIN-00881 Helsinki
		Tel: +358 9 759 88499
		Fax: +358 9 759 99214
ĺ		antero.kuusi@stuk.fi

#	STATE	PARTICIPANTS
32		Ms Hannele AALTONEN
-		STUK-Radiation and Nuclear Safety Authority
		P.O. Box 14 (Laippatie 4)
		FIN-00881 Helsinki
		Tel: +358 9 759 88212
		Fax: +358 9 759 99214
		hannele.aaltonen@stuk.fi
33	FRANCE	Mr Olivier ISNARD
		Institute for Radiological Protection and Nuclear Safety (IRSN)
		BP 17
		F-92262 Fontenay aux Roses Cedex
		Tel: +33 1 5835 7385
		Olivier.isnard@irsn.fr
34		Mr Laurent KUENY
		Permanent Mission of France
		<u>Laurent.kueny@diplomatie.gouv.fr</u>
35		Ms Sylvie GONCZ
		Defence Nuclear Safety Authority
		25 rue Leblanc Immeuble Le Ponant D
		75015 Paris
		Tel: +33 1 6450 2190
		Fax: +33 1 4557 4653
		Sylvie.goncz@dsnd.fr
36	GERMANY	Mr Reimund STAPEL
		Federal Ministry for the Environment, Nature Conservation,
		Construction and Nuclear Safety (BMUB)
		Robert Schuman-Platz 3 D-53175 Bonn
		Tel: +49 228 99305 2941
		Fax: +49 228 99305 2828
		reimund.stapel@bmub.bund.de
		Mr Florian GERING
37		BfS-Federal Office for Radiation Protection
		Ingolstädter Landstr. 1
		D-85764 Oberschleissheim
		Tel: +49 30 18333 2576
		fgering@bfs.de
38		Mr Erich WIRTH
30		BfS-Federal Office for Radiation Protection
		Ingolstädter Landstr. 1
		D-85764 Oberschleissheim
		Tel: +49 30 18333 6710
		ewirth@bfs.de
39	GHANA	Mr Ofei ANKRAH
	GIMM	Ghana Atomic Energy Commission
		PO Box LG80
		Legon Accra
		Tel: +233 244674 239
		Fax: +233 302 400807
		niiofei@yahoo.com

#	STATE	PARTICIPANTS
40	HONDURAS	Mr Alberto CANTOR
		Ministry of Natural Resources and Environment
		Department of Energy
		National Regulatory Authority
		America Center Boulevard
		Building Defomin. First level
		Tegucigalpa
		Tel: +504 2232 6727
		Fax: +504 2232 6727
		Alberto_Cantor@yahoo.com.ar
41	HUNGARY	Mr Geza MACSUGA
		Hungarian Atomic Energy Authority (HAEA)
		Fenyes Adolf u. 4
		1036 Budapest III
		Tel: +36 (1) 436 4910
		Fax: + 36 (1) 436 4909
		macsuga@haea.gov.hu
42		Ms Eszter TASKO-SZILAGYI
		National Directorate General for Disaster Management
		Mogyorodi Street 43
		1149 Budapest
		Tel: +36 20 239 2327
		Fax: +36 1 469 4360
		nuclear@katved.gov.hu
43	INDIA	Mr R.K. MISHRA
		Department of Atomic Energy
		Anushakti Bhavan
		C.S.M. Marg
		Mumbai 400001
		Tel: +91 9969 358062
		rmishra@dae.gov.in
44	INDONESIA	Mr SUHARYANTA
		Nuclear Energy Regulatory Agency
		Jl. Gajah Mada No. 8 Jakarta 10120
		Tel: +62 21 630 2469
		Fax: +62 21 630 2187
		h.suharyanta@bapeten.go.id
4.5	TD AN	Ms Jila KARIMI DIBA
45	IRAN	Iran Nuclear Regulatory Authority
		End of North Karegar
		PO Box 14155-1339
		Tehran
		Tel: +98 21 8822 1124
		Fax: +98 21 882 21125
		jkarimi@aeoi.org.ir
16	IDAO	Mr Hussein ABBAS
46	IRAQ	Iraqi Radioactive Source Regulatory Authority (IRSRA)
		Al-Furdous Square
		Baghdad
		Tel: +964 78019 59101
		irsra2004@yahoo.co.uk

#	STATE	PARTICIPANTS
47	IRELAND	Ms Ciara McMAHON
7,	IKELAND	Radiological Protection Institute of Ireland
		3 Clonskeagh Square
		Dublin 14
		Tel: +353 1 206 6915
		Fax: +353 1 269 7437
		cmcmahon@rpii.ie
48		Ms Collette O'NEILL
70		Radiological Protection Institute of Ireland
		3 Clonskeagh Square
		Dublin 14
		Tel: +353 1 206 6966
		Fax: +353 1 269 7437
		coconnor@rpii.ie
49	ISRAEL	Mr Ayal HAYUT-MAN
7/	ISKALL	Israel Atomic Energy Commission
		24 Haim Levanon
		Tel Aviv 61070
		Tel: +972 3 646 2914
		Fax:+972 3 6428616
		ayahutman@iaec.gov.il
50	ITALY	Mr Roberto PIZZI
30	IIALI	Italian Civil Protection Department
		Via Vitorchiano 2
		00189 Roma
		Tel: +39 06 6820 2708
		Fax: +39 06 6820 2544
		Roberto.pizzi@protezionecivile.it
51		Mr Paolo ZEPPA
31		Higher Institute for Environmental Protection and Research (ISPRA)
		Via Vitaliano Brancati 48
		00144 Roma
		Tel: +39 06 5007 2302
		Fax: +39 06 5007 2941
		paolo.zeppa@isprambiente.it
52	1	Mr Silvia SCARPATO
32		Higher Institute for Environmental Protection and Research (ISPRA)
		Via Vitaliano Brancati 48
		00144 Roma
		Tel: +39 06 5007 2184
		Fax: +39 06 5007 2941
		silvia.scarpato@isprambiente.it
53	JAPAN	Mr Naoto ICHII
	VIZZ IZZ I	International Affairs Division
		Nuclear Regulation Authority (NRA)
		1-9-9 Roppongi
		Minato-ku
		106-8450 TOKYO
		Tel: +81-3-5114-2107
		Fax: +81-3-5114-2176
		naoto ichii@nsr.go.jp

#	STATE	PARTICIPANTS
54		Ms Mayumi ASAKURA
		Internat. Nuclear Energy Cooperation Division
		Non-Proliferation and Science Dept.
		Ministry of Foreign Affairs
		2-2-1 Kasumigaseki
		Chiyoda-ku
		Tokyo 100-8919
		Tel: +81 3 5501 8227
		Fax: +81 3 5501 8230
		mayumi.asakura@mofa.go.jp
55		Ms Ayumi NOMURA
		Internat. Nuclear Energy Cooperation Division
		Non-Proliferation and Science Dept.
		Ministry of Foreign Affairs
		2-2-1 Kasumigaseki
		Chiyoda-ku
		Tokyo 100-8919
		Tel: +81 3 5501 8227
		Fax: +81 3 5501 8230
		ayumi.nomura@mofa.go.jp
56		Mr Kenta HORIO
30		Permanent Mission of Japan
		Andromeda Tower
		Donau-City-Straße 6
		1220 VIENNA
		Tel: +43 1 260 63 0
57		Mr Terumasa NIIOKA
3,		International Affairs Division
		Nuclear Regulatory Authority (NRA)
		1-9-9 Roppongi
		Minato-ku
		Tokyo 106-8450
		Tel: +81 3 5114 2107
		Fax: +81 3 5114 2176
		Terumasa niioka@nsr.go.jp
58	KENYA	Ms Catherine Kathambi KIANJI
		Kenya Nuclear Electricity Board
		Re-Insurance Plaza
		5 th Floor
		Taifa Road
		PO Box 26374-00100
		Nairobi
		Tel: +254 2021 95381
		Fax: +254 2024 0910
		Ke.nuclearnlo@gmail.com
59	KOREA, REPUBLIC	Ms Young Min LEE
	OF	Korea Institute of Nuclear Safety
	OI'	62 Gwahak-ro
		Yuseoung-gu
		Daejeon 305-338
		Tel: +82 42 868 0941
		Fax: +82 42 868 0406
		K722lym@kins.re.kr

#	STATE	PARTICIPANTS
60		Mr Seung-Young JEONG
		Korea Institute of Nuclear Safety
		62 Gwahak-ro
		Yuseoung-gu
		Daejeon 305-338
		Tel: +82 42 868 0657
		Fax: +82 42 868 0406
		K504jsy@kins.re.kr
61	KUWAIT	Mr Abdulaziz ALMUHAILEEJ
		Civil Defense General Department
		6 Ring Road
		South Surra
		ZAHRA 36052
		Tel: +965 6686 8040
		Fax: +965 2538 7084
		Abdulaziz_1964@outlook.com
62	LATVIA	Ms Arija BERZINA
-		Radiation Safety Centre of the State Environmental Service of Latvia
		Rupnieciben Street 23
		Riga 1045
		Tel: +371 6708 4306
		pasts@rdc.vvd.gov.lv
63	LITHUANIA	Mr Emilis BASKYS
		State Nuclear Power Safety Inspectorate
		A. Gostauto Str. 12
		LT-01108 Vilnius
		Tel: +370 5 2665 892
		Fax: +370 5 261 4487
		emilis.baskys@vatesi.lt
64	LUXEMBOURG	Mr Patrick BREUSKIN
		Ministere de La Sante
		Villa Louvigny
		Allee Marconi
		Luxembourg
		Tel: +352 478 5672
		Fax: +352 467 522
		Patrick.Breuskin@ms.etat.lu
65	MACEDONIA	Mr Goran TRAJKOV
		Radiation Safety Directorate
		Bulpartizanski Oldredi No. 143
		PO Box 22
		1020 Skopje
		Tel: +389 2309 9030
		Fax: +389 2309 9032
		goran.trajkov@drs.gov.mk
66	MALI	Mr Nagantie KONE
		Malian Radiation Protection Agency (AMARAP)
		Batiment A-3, Ex-CRES
		BP-1872 Bamako
		Tel: +223 2023 8661
		knagantie@yahoo.com

#	STATE	PARTICIPANTS
67	MEXICO	Mr Alejandro CORTES CARMONA
		Nuclear Safety and Safeguards National
		Commission (CNSNS)
		Dr. Barragan No. 779
		Col. Vertiz Narvarte
		Del. Benito Juares
		Mexico, D.F., C.P. 03020
		Tel: +52 55 9199 8799
		Fax: +52 55 5095 3200
		acortes@cnsns.gob.mx
68	MOROCCO	Ms Itimad SOUFI
		National Centre for Nuclear Energy Services and Technology
		(CNESTEN) Directrice du Pole Surete et Securite
		65, rue Tensift
		Rabat
		Tel: +212 5 3781 9759
		Fax: +212 37803067
		soufi@cnesten.org.ma
69	NETHERLANDS	Mr Wim MOLHOEK
09	NETHERLANDS	Ministry of Infrastructure and the Environment, Human Environment
		and Transport Inspectorate
		Koningskade 4
		2514 BP The Hague
		P.O. Box 16191
		NL-2514 BD The Hague
		Tel: +31 6 1501 7970
		Fax: +31 70 456 2424
		Wim.molhoek@ilent.nl
70	NIGERIA	Mr Isa SAMBO
		Nigerian Nuclear Regulatory Authority
		Plot 564/565 Airport Road
		Central Area PMB 559
		Garki, Abuja
		Tel: 234 80360 97137
		isasambo@yahoo.com
71	NORWAY	Mr Finn UGLETVEIT
		Norwegian Radiation Protection Authority
		P.O. Box 55
		N-1332 Oesteraas
		Tel: +47 67 16 2500 Fax: +47 67 14 7407
		Finn.ugletveit@nrpa.no
		Ms Eldri Naadland HOLO
72		Norwegian Radiation Protection Authority
		P.O. Box 55
		N-1332 Oesteraas
		Tel: +47 67 16 2500
		Fax: +47 67 14 7407
		Eldri.holo@nrpa.no
72	OMAN	Mr Khalid AL RUBKHI
73	OMAN	Permanent Mission of the Sultanate of Oman
		Währingerstrasse 2-4
		1190 Vienna
		Tel: +43 1 310 8643
		pm@omanembassy.at
	I	F

#	STATE	PARTICIPANTS	
74		Mr Badr Mohamed AL HINAI	
′ •		Permanent Mission of the Sultanate of Oman	
		Währingerstrasse 2-4	
		1190 Vienna	
		Tel: +43 1 310 8643	
		pm@omanembassy.at	
75	1	Mr Issa AL SHUAILI	
/3		Ministry of Health	
		PO Box 393	
		Muscat P.C. 100	
		Tel: +968 2456 0019	
		Fax: +968 2456 3121	
		F doctor2000@hotmail.com	
76	1	Mr Hadi Slimane CHERIF	
/ 0		Ministry of Foreign Affairs	
		Peaceful Nuclear Technology Office	
		PO Box 242	
		Muscat P.C. 113	
		Tel: +968 2463 4305	
		Fax: +968 2460 3517	
		pnto@mofa.gov.om	
77	1	Mr Hamed AL BURTUMANI	
' '		Ministry of Defence	
		PO Box 2919	
		Muscat P.C. 111	
		Tel: +968 9503 5088	
		Fax: +968 2433 7047	
		hamed66@hotmail.com	
78	PAKISTAN	Mr Muhammad Nadeem HUSSAIN	
70	TAKISTAN	Pakistan Nuclear Regulatory Authority	
		G-8/1 Mauve Area	
		F-7 Markaz, P.O. Box No. 1912	
		Islamabad 44000	
		Tel: +92 51 926 2019	
		Fax: +92 51 926 0201	
		m.nadeem@pnra.org	
79	POLAND	Mr Krzysztof DABROWSKI	
		National Atomic Energy Agency (PAA)	
		Krucza 36	
		00522 Warsaw	
		Tel: +48 22 695 9804	
		kdabrowski@paa.gov.pl	
80	PORTUGAL	Mr. Joao OLIVEIRA MARTINS	
		Portuguese Environment Agency	
		Rua da Murgueira 9/9A	
		Zambujal	
		2611-865 Amadora	
		Tel: +351 21 472 8232	
		Fax: +351 21 472 8231	
		joao.martins@apambiente.pt	
81		Ms Patricia PIRES	
		National Authority for Civil Protection	
		Av. Do Forte	
		2784-112 Carnaxide	
		Tel: +351 21 424 7100	
		Patricia.pires@prociv.pt	
		<u>Cnos@prociv.pt</u>	

#	STATE	PARTICIPANTS
82	ROMANIA	Mr Petre Cornel MIN
		National Commission for Nuclear Activities Control
		14 Libertatii Blvd.
		Bucharest Section 5
		Tel: +40 21351 5089
		Fax: +40 21 351 5090
		petre.min@cncan.ro
83	RUSSIAN	Mr Vladimir CHUGUNOV
	FEDERATION	Federal State Unitary Enterprise (FSUE) SCC of Rosatom
	FEDERATION	24 Bolshaya Ordynka St.
		119017 Moscow
		Tel: +7 495 933 6040
		Fax: +7 495 933 6041
		vchugunov@skc.ru
84	1	Mr Alexey SNYTNIKOV
04		Federal State Unitary Enterprise (FSUE) SCC of Rosatom
		24 Bolshaya Ordynka St.
		119017 Moscow
		Tel: +7 495 933 6040
		Fax: +7 495 933 6041
		skc@skc.ru
85		Mr Nikolay TROFIMOV
05		State Atomic Energy Corporation "ROSATOM"
		24 Bolshaya Ordynka St.
		119017 Moscow
		Tel: +7 499 949 2212
		Fax: +7 499 949 2305
		ndtrofimov@rosatom.ru
0.6	†	Mr Sergey RAYKOV
86		State Atomic Energy Corporation "ROSATOM"
		24 Bolshaya Ordynka St.
		119017 Moscow
		Tel: +7 499 949 2124
		Fax: +7 495 949 2305
		svraykov@rosatom.ru
0=	-	Ms Liudmilla BOGDANOVA
87		State Research Center
		Burnasyan Federal Medical Biophysical Center of Federal Medical
		Biological Agency
		Zhivopisnaya str. 46
		123 182 Moscow
		Tel: 7 499 1909 336
		Fax: +7 499 1909 333
		Ls bogdanova@mail.ru
	-	Mr Yury SALENKO
88		State Research Center
		Burnasyan Federal Medical Biophysical Center of Federal Medical
		Biological Agency This price of the 46
		Zhivopisnaya str. 46
		123 182 Moscow
		Tel: 7 499 1909 336
		Fax: +7 499 1909 333
		salenkoua@gmail.com

#	STATE	PARTICIPANTS	
89		Mr Alexander ERASTOV	
		State Atomic Energy Corporation "ROSATOM"	
		24 Bolshaya Ordynka St.	
		119017 Moscow	
		Tel: +7 499 949 2193	
		Fax: +7 495 951 6926	
		aaerastov@rosatom.ru	
90	ST VINCENT AND	Mr Foster SCOTT Royal St. Vincent and the Grandings Rolling Force	
	THE GRENADINES	Royal St. Vincent and the Grenadines Police Force Police Headquarters	
		PO Box 835	
		Kingstown, St. Vincent	
		Tel: +784 456 1102	
		Fax: +784 456 2816	
		svgpolice@gov.vc	
91	SERBIA	Ms Slavica IVKOVIC	
	·	Serbian Radiation Protection and Nuclear Safety Agency	
		5, Masarikova Street	
		11000 Belgrade	
		Tel: +381 11 3061 736	
		ivkovic@srbatom.gov.rs	
92	SLOVAKIA	Mr Eduard METKE Nuclear Regulatory Authority of the Slovak Republic (UJD SR)	
		Bajkalska 27	
		P.O. BOX 24	
		820 07 Bratislava	
		Tel: +421 2 58221147	
		Fax: +421 2 58221333	
		eduard.metke@ujd.gov.sk	
93		Ms Adriana SOKOLIKOVA	
-		Nuclear Regulatory Authority of the Slovak Republic (UJD SR)	
		Bajkalska 27	
		P.O. Box 24	
		820 07 BRATISLAVA	
		SLOVAKIA	
		Tel: 00421 2 58221 147 Fax: 00421 2 5822 1333	
		adriana.sokolikova@ujd.gov.sk	
0.4	COUTH APPLCA	Mr Teboho MOTSUMI	
94	SOUTH AFRICA	The South African Nuclear Energy Corporation	
		Elias Motsoaled STR EXT	
		Brits District, Pelindaba	
		Tel: +27 12 305 3370	
		<u>Teboho.motsumi@necsa.co.za</u>	
95	SPAIN	Ms Lourdes CASTELLANOS	
		Direccion General de Proteccion Civil y Emergencias	
		c/Quintiliano 21	
		28002 Madrid	
		Tel: +91 5373 256	
0.5	-	lcastell@procivil.mir.es Mr Juan Pedro GARCIA CADIERNO	
96		Nuclear Safety Council (CSN)	
		c/- Pedro Justo Dorado Dellmans 11	
		28040 Madrid	
		Tel: 34 91 3460 413	
		Fax: +34 91 3460 679	
		ipgc@csn.es	
		jpgc(w/csn.es	

#	STATE	PARTICIPANTS	
97	SRI LANKA	Mr Ranjith Laxman WIJAYAWARDANA	
		Atomic Energy Authority	
		60/460 Baseline Road	
		Orugodawatta	
		Wellampitiya	
		Tel: +94 11 254 7331	
		Fax: +94 11 2533 448	
		<u>Drwijayawardane@gmail.com</u>	
98	SUDAN	Mr. Muhammad Yousif HAMADALNEEL	
		Sudanese Nuclear & Radiological Regulatory Authority (SNRRA)	
		Almashtal st.	
		PO Box 7363	
		Khartoum	
		Tel: +249 1 23611 612	
		Fax: +249 1 83244 766	
		m.y.hamadalneel@gmail.com	
99	SWEDEN	Ms Lynn HUBBARD	
		Swedish Radiation Protection Authority	
		SE-171 16 Stockholm	
		Tel: +46 8 799 4000	
		Fax: +46 8 799 4010	
		lynn.hubbard@ssm.se	
100		Mr Jonas LINDGREN	
		Swedish Radiation Protection Authority	
		SE-171 16 Stockholm	
		Tel: +46 8 799 4000	
		Fax: +46 8 799 4010	
		jonas.lindgren@ssm.se	
101	SWITZERLAND	Mr Dominique RAUBER	
		National Emergency Operations Centre Nationale Alarmzentrale	
		Ackermannstr. 26 CH-8044 Zurich	
		Tel: +41 44 256 9487	
		Fax: +41 44 256 9497	
		Dominique.Rauber@babs.admin.ch	
102	THE A NEW	Mr Phakphum ARAMRUN	
102	THAILAND	Office of Atoms for Peace	
		Thanon Vibhavadi Rangsit	
		Chatuchak	
		Bangkok 10900	
		Tel: +66 8 6880 8658	
		Fax: +66 2562 0086	
		phakphum@oaep.go.th	
103	TRINIDAD &	Ms Sarah BAAL	
103		The Office of Disaster Preparedness and Management	
	TOBAGO	4A Orange Grove Road	
		Tacarigua	
		Tel: +868 640 1285	
		vmahabir@mns.gov.tt	
104	TUNISIA	Ms Azza HAMMOU	
107	LUINIM	P.O. Box: 184	
		Place Bab Saadoun, Hopital d'Enfants	
		TUNIS 1007	
		Tel: +21671568628	
		Fax: +21671571697	
		aza.hammou@rns.tn	
		<u>aza.nammou(wins.ui</u>	

#	STATE	PARTICIPANTS	
105		Mr Adel RIAHI	
		National Centre for Nuclear Science and Technology	
		Pole Technologique	
		Sidi Thabet 2020	
		Ariana	
		Tel: +216 71 537 504	
		Fax: +216 71 537 555	
		a.riahi@cnstn.rnrt.tn	
106	TURKEY	Mr Yusuf GÜLAY	
		Turkish Atomic Energy Authority Mustafa Kemal Mahallesi	
		Mustafa Kemal Mahallesi	
		Dumlupinar Bulvari No. 192	
		06510 Cankaya/Ankara	
		Tel: +90 312 295 8910	
		Fax: +90 312 295 8957	
		Yusuf.gulay@taek.gov.tr	
107	UKRAINE	Mr Sergiy VOLKOV	
		State Nuclear Regulatory Inspectorate of Ukraine	
		Arsenalna str. 9/11	
		01011 Kiev	
		Tel: +38 44 254 4186	
		volkov@hq.snrc.gov.ua	
108	UNITED KINGDOM	Ms Susan VIERNY	
		Permanent Mission of the United Kingdom	
		Jauresgasse 12	
		1030 Vienna	
		Tel: 676 569 4011	
-		susan.vierny@fco.gov.uk	
109		Ms Stephanie HAYWOOD	
		Public Health England	
		Chilton, Didcot	
		Oxon OX11 0RQ	
		Tel: +44 1235 825 239	
		Stephanie.haywood@phe.gov.uk	
110	UNITED STATES OF	Ms Ann HEINRICH	
	AMERICA	US Department of Energy (NNSA)	
		1000 Independence Ave. S.W.	
		Washington D.C. 20585	
		Tel: +1 202 586 8165	
		Fax: +1 202 586 8272	
		Ann.heinrich@nnsa.doe.gov	
111		Mr Vincent McCLELLAND	
		US Department of Energy (NNSA)	
		1000 Independence Ave. S.W.	
		Washington D.C. 20585	
		Tel: +1 202 586 8045	
		Fax: +1 202 586 8272	
		Vince.mcclelland@nnsa.doe.gov	
112		Mr Robert LEWIS	
		US Nuclear Regulatory Commission	
		Mailstop 3WFN-9C28	
		Washington DC 20555-0001	
		Tel: +1 301 287 3779	
		robert.lewis@nrc.gov	

#	STATE	PARTICIPANTS	
113		Mr Jan FLADEBOE	
		US Department of State	
		2201 C Street NW Washington DC 20510	
		Tel: +1 202 6476 7959	
		Fladeboejp@state.gov	
114		Mr Lee GLASCOE	
		Lawrence Livermore National Laboratory	
		7000 East Avenue	
		Livermore, CA 94550	
		Tel: +1 925 423 2922	
		Fax: +1 925 423 3144	
		Glascoel@llnl.gov	
115	YEMEN	Mr Adnan AL-HARAZI	
		National Atomic Energy Commission (NATEC)	
		Haddah St.	
		PO Box 4720	
		Sana'a	
		Tel: 96 71 454 732	
		Fax: +96 71 454 735	
		<u>harazi.yemennlo@yahoo.com</u>	

INTI	ERNATIONAL ORGANIZATION	PARTICIPANTS
116	EUROPEAN UNION	Mr Costas CONSTANTINOU
		European Commission
		Directorate-General for Energy
		Unit D.3 – Radiation Protection
		EUFO 4454
		2920 Luxembourg
		Costas.constantinou@ec.europa.eu
117	FAO	Mr Carl BLACKBURN
12.		Joint FAO/IAEA Division of Nuclear
		Techniques in Food and Agriculture I Department of
		Nuclear Sciences and Applications
		International Atomic Energy Agency
		PO Box 100
		1400 Vienna
		Tel: +43 1 2600-21639
		Fax: +43 1 2600-26007
		c.blackburn@iaea.org
118	NATO	Mr Günter BRETSCHNEIDER
		Euro-Atlantic Disaster Response Coordination Centre
		NATO HQ – International Staff/Operations Div.
		1110 Brussels
		Tel: +32 2 707 2673
		Fax: +32 2 707 2677
		eadrcc@hq.nato.int

INTI	ERNATIONAL ORGANIZATION	PARTICIPANTS
119	OECD	Mr Halil Burcin OKYAR
117		Organisation for Economic Co-operation and
		Development (OECD) Nuclear Energy Agency
		Le Seine St-Germain, 12
		Boulevard des Iles
		92130 Issy-les-Moulineaux
		Tel: +33 1 4524 1045
		Halilburcin.okyar@oecd.org
120	WHO	Ms. Zhanat CARR
		Health Security and Environment
		World Health Organization
		20 Ave Appia
		1211 Geneva
		Tel: +41 22 791 3483
		Fax: +41 22 791 4123
		<u>carrz@who.int</u>
121	WMO	Mr Anton MUSCAT
		Strategic Operations Manager
		Met Office
		Fitzroy Road
		Exeter EX1 3PB
		United Kingdom
		Tel: +44 1392 886 033
		Fax: +44 1392 884 549
		Anton.muscat@metoffice.gov.uk

1	Meeting Chairperson	Ms Lynn HUBBARD
1	Wiecening Chain person	Swedish Radiation Protection Authority
		IAEA EPREG Chairperson
		lynn.hubbard@ssm.se
2	Scientific Secretary	Ms Elena BUGLOVA
-	Selentific Secretary	Head, NS-IEC
		e.buglova@iaea.org
3		Mr Rafael MARTINCIC
		Consultant, NS-IEC
		r.martincic@iaea.org
4	Meeting Records	Monday
-	8	Ms Bushra NASIM
		Consultant, NS-IEC
		B.Nasim@iaea.org
5		Tuesday
		Mr Rodrigo SALINAS
		Emergency Preparedness Officer, NS-IEC
		<u>r.salinas@iaea.org</u>
6		Wednesday
		Ms Mollie ROCK ZUCCATO
		Consultant, NS-IEC
		M.K.Rock-Zuccato@iaea.org
7		Thursday
		Ms Nera BELAMARIC
		Consultant, NS-IEC
		N.Belamaric@iaea.org
8		Friday
		Ms Svetlana NESTOROSKA MADJUNAROVA
		Emergency Preparedness Officer, NS-IEC, NS-IEC
<u></u>	1 10 11	s.nestoroska-madjunarova@iaea.org
9	Legal Counsellor	Mr Andrea GIOIA
		Senior Legal Officer, OLA
		A.Gioia@iaea.org

10	IAEA Presenters	Mr Florian BACIU
		Response System Coordinator, NS-IEC
		f.baciu@iaea.org
11		Mr Gustav CARUSO
		Special Coordinator, NS
		G.Caruso@iaea.org
12		Mr Joseph CHAPUT
		Incident and Emergency Assessment Officer, NS-IEC
		J.Chaput@iaea.org
13		Mr Mats EKLUND
		Incident Reporting Officer, NS-IEC
		m.eklund@iaea.org
14		Ms Rhonda EVANS
		Senior Nuclear Security Officer, NSNS
		R.Evans@iaea.org
15		Mr Pat KENNY
		RANET Officer, NS-IAEA
		p.kenny@iaea.org

16		Mr Jean-François LAFORTUNE
10		Emergency Preparedness Coordinator, NS-IEC
		J.Lafortune@iaea.org
17		Mr James LYONS
1		Director, NSNI
		J.Lyons@iaea.org
18		Mr Miroslav PINAK
		Section Head, NSRW
		M.Pinak@iaea.org
19		Mr Rodrigo SALINAS
		Emergency Preparedness Officer, NS-IEC
		<u>r.salinas@iaea.org</u>
20		Mr Guenther WINKLER
		Response System Officer, NS-IEC
		g.winkler@iaea.org
21	IEC Support	Ms Ingrid MERSON
		Team Assistant, NS-IEC
		i.merson@iaea.org
22		Ms Sarah Filion-Provencher
		Consultant, NS-IEC
		S.Filion-Provencher@iaea.org
23		Mr Wolfgang Gruenwald
		Emergency Response Technician, NS-IEC
		W.Gruenwald@iaea.org





FINAL - CORRECTED

APPENDIX II: MEETING AGENDA

Meeting Sessions

- 1 Opening of the Meeting
- 2 Reports to the Meeting
- 3 Emergency Preparedness and Response Expert Group
- 4 Recent Developments in Nuclear Safety and Security
- 5 Sharing of Experiences Lessons Learned in EPR
- 6 National EPR Reports
- 7 Exercises and Training Programmes in EPR
- 8 NCACG Matters
- 9 Early Notification Convention Practical Implementation
- 10 Assistance Convention Practical Implementation
- 11 IAEA Emergency Assessment and Prognosis
- 12 IAEA Goals and Challenges in EPR
- 13 Conclusions of the Meeting
- 14 Closing of the Meeting

Monday, 19 May 2014

Meeting Sessions

10:00 1 Opening of the Meeting

- Welcome Address/Opening Remarks
 D. Flory, DDG-NS, G. Macsuga, NCACG Chairperson, E. Buglova, Head IEC
- Introduction of Meeting Chairperson *E. Buglova*
- Meeting Objectives, Orientation/Logistics *R. Martincic, Scientific Secretary, IEC*
- Adoption of Agenda

10:30 2 Reports to the Meeting

- Report on CA Meeting's Conclusions 2012 paper CAM/DOC/2014/01
 R. Martincic
- Report on NCACG's Activities paper CAM/DOC/2014/02
 G. Macsuga, NCACG Chairperson
- Report on IEC's Activities paper CAM/DOC/2014/03
 E. Buglova
- Progress in the Implementation of the International Action Plan on EPR
 V. McClelland, EPREG
- Progress in the Implementation of the Action Plan on Nuclear Safety

FINAL - CORRECTED

- G. Caruso, Special Coordinator
- Discussion and feedback

12:00 3 Emergency Preparedness and Response Expert Group

- Objectives, Functions and Composition of EPREG E. Buglova
- Discussion and feedback

12:30 Lunch

14:00 4 Recent Developments in Safety and Security

- Nuclear Safety Issues and Challenges J. Lyons, NSNI
- Nuclear Security Issues and Challenges R. Evans, NSNS
- Radiation Safety Issues and Challenges after the Fukushima Daiichi NPP Accident
 M. Pinak, NSRW
- Nuclear Safety/Security in EPR Issues and Challenges
 L. Castle, representative of EPREG
- Discussion and feedback

15:30 Coffee Break

16:00 5 Sharing of Experiences – Lessons Learned in EPR

- Assistance Missions
 - F. Baciu, IEC
- Current Status of Fukushima Daiichi Nuclear Power Station
- Activities in Nuclear EPR in Japan N. Ichii, CA representative of Japan
- Emergency Management Lessons Learned H.B. Okyar, OECD/NEA
- WHO EPR Lessons Learned Z. Carr, WHO
- Discussion and feedback

17:45 Daily Closing

18:00 Reception

Tuesday, 20 May 2014

Meeting Sessions

09:00 6 National EPR Reports – Regional Overview

- Nordic Approach to EPR
 - H. Aaltonen, representative of CA Finland
- Region: Africa
 - A. Hammou, NCACG
- Region: Asia Pacific
 - M. Nadeem, NCACG
- Region: Latin America TBD, NCACG
- Region: N America & Mexico
 - V. McClelland, representative of CA USA
- Region: Western and Eastern Europe C. Mcmahon. NCACG

10:00 Coffee Break

10:30 6a National EPR Reports - National Overview

Belgium

C. Vandecasteele, representative of CA Belgium

M. Nizamska, representative of CA Bulgaria

Nigeria

I. Sambo, representative of CA Nigeria

Canada

P. Webster, representative of CA Canada

L. Hubbard, representative of CA Sweden

United States of America

V. McClelland, representative of CA USA

H. Suharyanta, representative of CA Indonesia

12:30 Lunch

14:00

Mali

N. Kone, representative of CA Mali

Russian Federation

A. Erastov, representative of CA Russian Federation

E. Holo, representative of CA Norway

C. McMahon, representative of CA Ireland

Germany

E. Wirth, representative of CA Germany

L. Villanueva, representative of CA Chile

15:30 Coffee Break

16:00

China

P. Xu, representative of CA China

Czech Republic

D. Drabova, representative of CA Czech Republic

Australia

L. Castle, representative of CA Australia

L. Kueny, PM France

Algeria

S. Chelbani, representative of CA Algeria

M.Y. Hamadalneel, representative of CA Sudan

17:30 **Daily Closing**

Wednesday, 21 May 2014

Meeting Sessions

09:00

6b

7

National EPR Reports – Way Forward

- Overview of EPR Activities in Latin America and Caribbean P. Jerez Vegueria, NCACG
- EPR in South Africa

T. Motsumi, representative of CA South Africa

- Issues and Challenges discussion
- Way Forward

09:45

Meeting Chairperson

Exercises and Training Programmes in EPR FINAL - CORRECTED

- ConvEx-1 and 2 Exercises Evaluation and Challenges
 G. Winkler, IEC
- ConvEx-3 (2013) Exercise Moroccan National Report
 I. Soufi, Morocco
- ConvEx-3 (2013) Exercise Exercise Evaluation
 R. Martincic, IEC
- Discussion and feedback

10:30 Coffee Break

11:00 7a Exercises and Training Programmes in EPR

- Belgium
 - C. Vandecasteele, representative of CA Belgium
- Bulgaria
 - M. Nizamska, representative of CA Bulgaria
- Hungary
 - G. Macsuga, representative of CA Hungary
- Portugal
 - J. O. Martins, representative of CA Portugal
- OECD/NEA
 - H.B. Okyar, OECD/NEA
- Mexican Radiological Emergency, 2013
 A. Cortes Carmona, representative of CA Mexico

12:30 Daily Closing

Thursday, 22 May 2014

Meeting Sessions

09:00 8 NCACG Matters

- Reports from Regional Meetings *NCACG members*
- NCACG Issues and Challenges *G. Macsuga*
- NCACG future discussion and decision

Tentative:

- NCACG Task List Proposal
 - G. Macsuga
- Discussion and endorsement
- Proposals for new NCACG
 - G. Macsuga
- Discussion and endorsement

10:30 Coffee Break

11:00 9 Early Notification Convention – Practical Implementation

- Implementation Arrangements and Open Issues G. Winkler. IEC
- Discussion and feedback Meeting Chairperson

12:30 **Lunch**

14:00 10 Assistance Convention – Practical Implementation

• Implementation Arrangements and Open Issues *P.Kenny, IEC*

FINAL - CORRECTED

• Discussion and feedback *Meeting Chairperson*

15:30 Coffee Break

16:00 11 IAEA Emergency Assessment and Prognosis

- Emergency Assessment and Prognosis: Challenges and Way Forward J. Chaput, IEC
- Discussion and feedback Meeting Chairperson

17:30 Daily Closing

Friday, 23 May 2014

Meeting Sessions

09:00 12 IAEA Goals and Challenges in EPR

- Capacity Building Centres
 - J. Lafortune, IEC
- Further improving EPREV Effectiveness *R. Salinas, IEC*
- GNSSN regional EPR websites
 - J. Lafortune, IEC
- International Radiation Monitoring Information System F. Baciu, IEC
- EPR Database EPRIMS and EPR Self-assessment *J. Lafortune, IEC*
- Discussion and feedback

10:30 Coffee Break

11:00 13 Conclusions of the Meeting

- Proposed Conclusions
 - E. Buglova
- Discussion, feedback and endorsement of Meeting conclusions

12:00 14 Closing of the Meeting

L. Hubbard and D. Flory

12:30 End of the Meeting

Meeting Side Events

Wednesday, 21 May 2014

Display of IAEA Guidelines and Tools in EPR 09:00 Meeting participants will be able to request documents from EPR Series and related training material for their use and will then collect them on Thursday, 22 May at the registration desk in front of to Boardroom A 13:00 **Workshops and Demonstrations M5** 13:00 **Plume Modelling IXP** and Hotspot Presentation L.G. Glascoe, Lawrence Livermore National Laboratory, USA Capabilities within WMO Structure A. Muscat, RSMC Exeter, representing WMO 15:00 **Assessment and Prognosis** Current and Future Activities J. Chaput, IEC 16:00 **USIE** session USIE Registration, USIE Demonstration, Q&A on USIE M. Eklund, IEC 17:00 **IRMIS** Data Visualization F. Baciu, IEC **Moderators: NCACG members Regional CA Meetings** 14:00 Regional progress reports National issues/activities NCACG future – discussion and proposals Tentative: • New NCACG Chairperson, members and alternates **NCACG** Meeting **Room MOE 58**

3rd Regular RANET Meeting

NCACG activities NCACG future

15:00

15:00

Tentative:

Boardroom A

• Open issues and challenges, sharing of experience, way forward *Meeting Chair: P. Kenny, IEC*

• New NCACG Chairperson, members and alternates

APPENDIX III: MEETING'S CONCLUSIONS

GENERAL

Conclusion CAM-2014/01

The Meeting acknowledged the opportunity for competent authorities and regional representatives to provide information on various relevant topics related to their national EPR programmes. The Meeting appreciated the information presented and proposed that similar opportunities for information exchange are scheduled at the next CA Meeting. Specific topical focus may be suggested by competent authorities and the Secretariat for the information exchange at the next Meeting.

EXERCISES

Conclusion CAM-2014/02

The Meeting acknowledged the efforts and success of Morocco's preparation and conduct of the ConvEx-3 exercise.

Conclusion CAM-2014/03

The Meeting noted the international evaluation of the ConvEx-3 and highlighted the importance of the conclusions and recommendations, which form the basis for further strengthening of international emergency preparedness and response and ConvEx-3 exercises.

Conclusion CAM-2014/04

As demonstrated by the ConvEx-3 (2013) exercise the meeting noted with concern the little progress that has been made regarding information exchange on protective actions among Member States in an emergency.

Conclusion CAM-2014/05

The Meeting encouraged all Member States to consider offering their national exercises for the next ConvEx-3, which is planned for 2017.

Conclusion CAM-2014/06

The Meeting encouraged Contact Points to provide responses to the ConvEx-1 exercises within specified timelines, and encouraged participation in ConvEx-2 exercises.

Conclusion CAM-2014/07

Member States are urged to make offers to host ConvEx-2 exercises, and are invited to support the IAEA Secretariat in its exercises conducted with the World Meteorological Organization.

PRACTICAL IMPLEMENTATION OF EARLY NOTIFICATION CONVENTION

Conclusion CAM-2014/08

The Meeting encouraged those Member States that have not yet designated their Contact Points, or provided contact details according to the IEComm, to initiate this process.

Conclusion CAM-2014/09

The Meeting took note of the practical arrangements for the implementation of the Early Notification Convention, and urged Member States to make the best use of the established arrangements.

Conclusion CAM-2014/10

The Secretariat acknowledged the Competent Authorities' suggestions for further improvement of the Unified System for Information Exchange in Incidents and Emergencies (USIE) and will evaluate and provide feedback on the suggestions that were or were not accepted.

Conclusion CAM-2014/11

The Meeting noted progress on the development of the International Radiation Monitoring Information System (IRMIS) and asked the Secretariat to further report on the objectives, scope and legal framework of this tool.

NATIONAL COMPETENT AUTHORITIES' COORDINATING GROUP (NCACG)

Conclusion CAM-2014/12

The Meeting acknowledged the importance of collaboration on emergency preparedness and response arrangements and issues between national competent authorities, both within and between regions, and noted that for some regions this collaboration can also be facilitated by the NCACG representatives.

Conclusion CAM-2014/13

On the issue of the retention of the NCACG, the Meeting agreed that the NCACG be kept in reserve. In line with this position, the Meeting recommended that the structure of the NCACG regional representatives be retained, and that the group of regional representatives be tasked with assisting, as required, the IAEA Secretariat's Incident and Emergency Centre (IEC) in the preparation of the next Competent Authority Meeting, including providing input on current regional challenges and feedback.

PRACTICAL IMPLEMENTATION OF THE ASSISTANCE CONVENTION

Conclusion CAM-2014/14

The Meeting acknowledged the registration of 25 State Parties to the Assistance Convention in the Response and Assistance Network (RANET) and encouraged all State Parties to identify national capabilities suitable for providing international assistance by registering their National Assistance Capabilities in RANET.

Conclusion CAM-2014/15

The Meeting noted the work conducted by the Secretariat to investigate possible mechanisms to facilitate the financing of assistance missions and the process of establishing a Special Fund

Conclusion CAM-2014/16

CAM/REP/2014 TM-45386 page 40

The Meeting acknowledged the progress made by the Secretariat in the drafting of a document giving the minimum compatibility guidelines and encouraged the Secretariat to finalize the draft of the guidance, taking into account the feedback of Member States. In addition the Meeting encouraged Member States to actively participate in the development of the document.

ASSESSMENT AND PROGNOSIS IN EMERGENCY

Conclusion CAM-2014/17

The Meeting emphasized the importance of continued collaboration between the Secretariat and Member States to explore challenges in the implementation of the assessment and prognosis process.

Conclusion CAM-2014/18

The Meeting encouraged the Secretariat to test a ConvEx-2e series to exercise the assessment and prognosis process.

Conclusion CAM-2014/19

The Meeting encouraged Member States operating nuclear power reactors to plan for internal processes to provide the Secretariat with the relevant critical technical parameters to enable implementation of the assessment and prognosis process, which is under development.

Conclusion CAM-2014/20

The Meeting encouraged State Parties with relevant capabilities in assessment and prognosis to register these capabilities in RANET.

IAEA DEVELOPMENTS IN EPR

Conclusion CAM-2014/21

The Meeting took note of the development of the EPR Information Management System (EPRIMS), the concept of capacity building centres in emergency preparedness and response and the Global Nuclear Safety and Security Network (GNSSN), an emergency preparedness and response network and collaborative workspace.

Conclusion CAM-2014/22

The Meeting noted the Secretariat's activities to further improve Emergency Preparedness Review (EPREV) effectiveness. The meeting welcomes further discussions for tailoring the EPREV mission to answer the needs of countries with large nuclear programmes.

CA MEETING CONDUCT

Conclusion CAM-2014/23

Finally, the Meeting recommended that future CA Meetings' agendas should provide for more time for discussions on open issues, and in particular for discussions on the Meeting's Conclusions.