



Third Joint GIF – IAEA Workshop on

SAFETY DESIGN CRITERIA FOR SODIUM-COOLED FAST REACTORS

26 – 27 February 2013

IAEA HQ, Vienna. Building M, Meeting Room: VIC M5

Final Agenda

1st Day - Tuesday, 26 February 2013

Time	Topic	Participant
09:30 – 10:00	Opening remarks	Mr J.K. Park (I)
	Introductory remarks by GIF	Mr Y. Sagayama (G)
	Self-introduction of the participants	All
	Approval of the Agenda Nomination of the workshop Chairman	
Topic-1: Safety Design Criteria for next generation SFR		
10:00 – 11:00	<u>GIF-SFR-SDC Task Force:</u>	Mr R. Nakai (G)
	➤ Safety approach & requirement on general plant design	
	➤ Requirement on specific plant design	
	➤ List of key discussion points and future direction	
<i>Coffee break</i>		
11:30 – 12:15	<u>Overview of the IAEA Activities</u>	Mr J. Yllera (I)
	➤ Safety requirements/design criteria for SFR	
	➤ Lessons learned from Fukushima Daiichi Accident	
12:15 – 12:45	Safety Design Criteria of Indian Sodium Cooled Fast Reactors	Mr P. Pillai (IGCAR, India)
12:45 – 13:15	European project SARGEN_IV: safety approach and assessment of GENIV reactors	Mr L. Ammirabile (European Commission)
<i>Lunch break</i>		
14:30 – 15:30	ANS Sodium Fast Reactor Safety Design Standard (ANS 54.1)	Mr G. Flanagan (ORNL, USA)
<i>Break</i>		
16:00 – 18:00	Key Discussion Points on Gen-IV safety design criteria	Mr. S. Kubo (G) All Chairman
	➤ Introduction to the discussion: Safety Design Approach based on Gen-IV SDC	
	➤ Discussion	
	➤ Conclusions	
18:00	Adjourn	
18:30	<i>Welcome reception organized by the IAEA</i>	All

2nd Day - Wednesday, 27 February 2013

09:00 – 10:00	<p>Specific SFR requirements</p> <ul style="list-style-type: none"> ➤ Technical Specification of the SDC including fast neutron core and sodium technology ➤ Conclusions 	<p>Mr. Y. Okano (G)</p> <p>Chairman</p>
<p align="center">Topic-2: Safety Design Concept of SFRs under development in member states: Example of Design measures for DBAs and DEC, safety evaluations and related R&D</p> <p align="center">(e.g. Typical postulated events for DBAs and DEC, PSA, Core characteristics and reactivity control, Decay heat removal, Coolant boundary failure and core cooling, Sodium chemical reactions, Containment, Fuel handling and storage, External events)</p>		
10:00 – 13:00 <i>Including coffee break 11:00 – 11:30</i>	<ul style="list-style-type: none"> ➤ Safety features designed to eliminate the need for off-site emergency response ➤ Proposal of Safety Orientations for Generation IV SFRs ➤ Severe accidents and ESFR design issues ➤ Safety approach and measures for design extension conditions for PFBR in post Fukushima Scenario ➤ Safety approach on severe accidents specific to SFR systems, in light of L.L. from Fukushima Dai-ichi NPPs accident [<i>working title</i>] ➤ Safety approach of PGSFR in Korea ➤ Safety concept of the BN-1200 ➤ An overview and evaluation of U.S. SFR safety approach 	<p>Mr Y. Z. Liu, (CIAE)</p> <p>Mr P Anzieu (CEA, France)</p> <p>Mr A. Rineiski (KIT, Germany)</p> <p>Mr P. Kumar (BHAVINI, India)</p> <p>Mr. S. Kubo (JAEA, Japan)</p> <p>Mr. H-Y Jeong (KAERI, RoK)</p> <p>Mr. Y. Ashurko (IPPE, Russian Federation)</p> <p>Mr T. Sofu (ANL, USA)</p>
<i>Lunch break</i>		
Concluding Session		
14:30 – 15:30	Drafting of Presentation at Panel 1 of FR13 Conference	Workshop Chair / GIF-SFR-SDC Chair All
15:30 – 16:00	Conclusions and future actions Discussion. Final outcome of the workshop	Workshop Chair All
16:00	<i>Adjourn</i>	

(I): IAEA Representatives; (G): GIF Representatives

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