
Vice Chair report on Market Opportunities and Challenges

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49th Virtual Policy Group Meeting – 27 May 2020

Outline

- ***Strategic orientation***
- ***EMWG***
- ***SIAP***

Strategic orientation

- ***GEN market-issues related activities emphasize increased flexibility of nuclear systems as a key attractiveness element***
 - *“Flexibility will be the cornerstone of tomorrow’s energy systems”*

See Chair greeting and PD report
 - *In this area, two documents were issued by **EMWG** since last PG meeting:*
 - *“Position paper on flexibility of GEN IV systems”*: the publication of a revised version of the position paper is the completion of the main EMWG action on the flexibility

*Ramesh Sadhankar, Nov. 2019
PD e-mail 08/01/2020,*
 - *“NICE Future GEN chapter”*: this document summarizes the thoughts shared within the GEN on this matter, addressing :

April 2020

 - *Economic perspectives on the flexibility of Gen-IV systems*
 - *Technical flexibility capabilities of Gen-IV systems*

EMWG

- *EMWG is discussing a new action plan, in coordination with the VC in charge of market issues.*
- *Emerging topics are under discussion to widen the scope of EMWG work.*
- *The proposed studies (see box on the right) are detailed in EMWG status report to the PG.*
- *From VC’s point of view, the draft action plan looks good and EMWG is encouraged to follow the path drawn in the action plan.*
- *In order to help EMWG prioritizing this action plan, feedbacks from EG and PG are welcome.*

Proposed Studies for the EMWG

- Advanced Nuclear Technology Cost Reduction Strategies
- Financing of Gen-IV reactors (*)
- Market functionalities of Gen-IV reactors
- Model Benchmarking of Gen-IV reactors based on Integrated Energy Systems
- Support to other GIF activities
 - Market issues
 - Advanced manufacturing
 - Regulatory issues

(*) RDTF report to be taken into account (Chap. 10)

SIAP

- **SIAP Charter**

- *For the record, SIAP Charter has been updated and approved*

See PD e-mail, 31 January 2020

- **Charge to SIAP**

- *The SIAP is holding a meeting just after the PG meeting*

28 May 2020

- *This meeting should be focused on the deployment of GEN IV SMRs.*

Takeway

- *Major documents issued by EMWG about flexibility.*
- *EMWG action plan under discussion and to be implemented.*
- *Comments from PG and EG members welcome.*