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FRENCH LESSONS LEARNT REGARDING INTERFACES BETWEEN SECURITY AND SAFETY AND SAFEGUARDS, FOR SMRS

The French nuclear regulatory framework comprises three distinct areas: Safety, Security and Safeguards, each of which is overseen by different regulatory bodies.
The coordination among these authorities is crucial, with regular meetings held to facilitate information exchange.

This paper will present the current experience with this coordination between the Nuclear Security Authority and the other two authorities.

Among other things, it will address the following issues:
- Major safety enhancements incorporated in the design of these SMRs may not be relevant to nuclear security;
- As a consequence, synergies between safety and security for SMRs could have limited potential compared to normal reactors, as malicious attacks could have the potential to destroy a more important part of the reactor at once;
- The cost of nuclear security could be proportionately higher and perhaps similar to the cost of safety, whereas for normal reactors it is often significantly lower.

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Confirm that the work is original and has not been published anywhere else

YES

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