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## Additive Manufacturing: The Future for Safeguards

*Tuesday, 6 November 2018 14:27 (7 minutes)*

Additive manufacturing is described as a transformative technology that will allow objects with complex topologies and 21st Century materials to be produced locally. The impact on safeguards is not yet clear as the technology just beginning to impact industry. Exactly what the technology will be able to produce that nuclear-relevant in the near future is unclear; especially if it allows states to solve manufacturing challenges posed by technology controls.

This paper addresses four key points:

- Given how the additive manufacturing is developing, what it will be possible to produce with this technology by 2025;
- If additive manufacturing provides developing nuclear states access to new capabilities;
- How technology controls may be undermined by allowing states either to outsource production or produce traditionally manufactured items using additive techniques;
- The policy responses that are available and appropriate to meet this challenge.

### Which "Key Question" does your Abstract address?

CHA3.2

### Which alternative "Key Question" does your Abstract address? (if any)

CHA1.1

### Topics

CHA3

**Primary author:** Dr CHRISTOPHER, Grant (Ridgeway Information)

**Presenter:** Dr CHRISTOPHER, Grant (Ridgeway Information)

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