



Creating an Inventory Sub-Library

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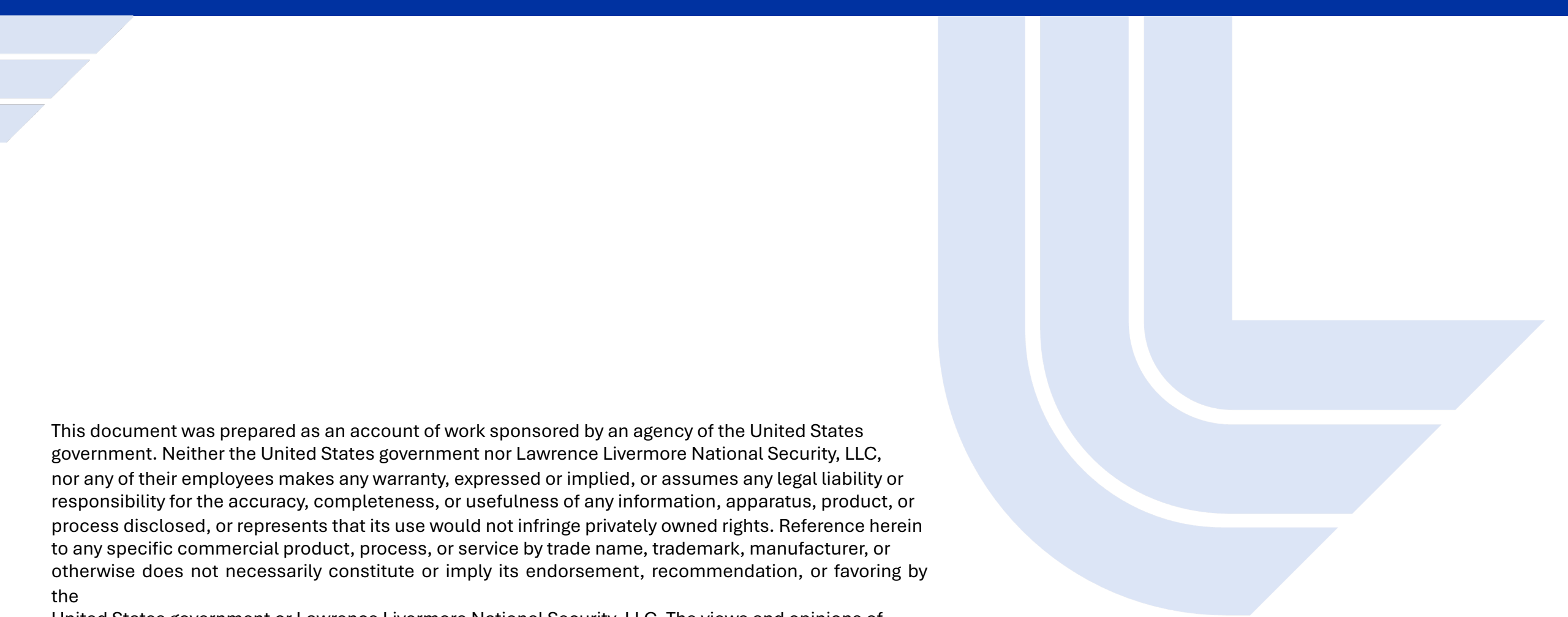
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Inventory and activation library

- “A nuclear sub-library for inventory, activation, or dosimetry contains the nuclear data for processes that generally change the isotopic composition (transmutation) and lead to radioactive products as well as the reactions on the radioactive products themselves and their decay.” ENDF/B currently does not release a library for inventory calculations
- What are use-cases, requirements for an inventory library, and what is available? What are the uncertainties?
 - Fusion [Sublet, Ebiwonjumi, Schnabel]
 - Fission [Josey, Fischer, Procop, Holschuh]
 - Cosmogenic activation [Saldanha]
- How can we produce such a library?
 - With experiments [Ratkiewicz]
 - With theory [Kawano]
- Discussion:
 - What do we need and what are next steps?



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