Enclosure 6 Control Rod Drive Mechanism (CRDM) Update Slides (REDACTED)

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Control Rod Drive Mechanism (CRDM)Update

September 17, 2013 (Redacted Version)

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This is a pre-application document and includes preliminary B&W mPowerTM Reactor design or design supporting information and is subject to further internal review, revision, or verification.



Agenda

- Purpose/Objective
- CRDM Latching
- CRDM Latch Design Update
- Safety and Operational Comparisons
- Latch Test Results
- CRDM Testing Update/Plans



Purpose/Objective

Provide an update of the B&W mPower™ Reactor CRDM design and development

- Testing Update/Plans

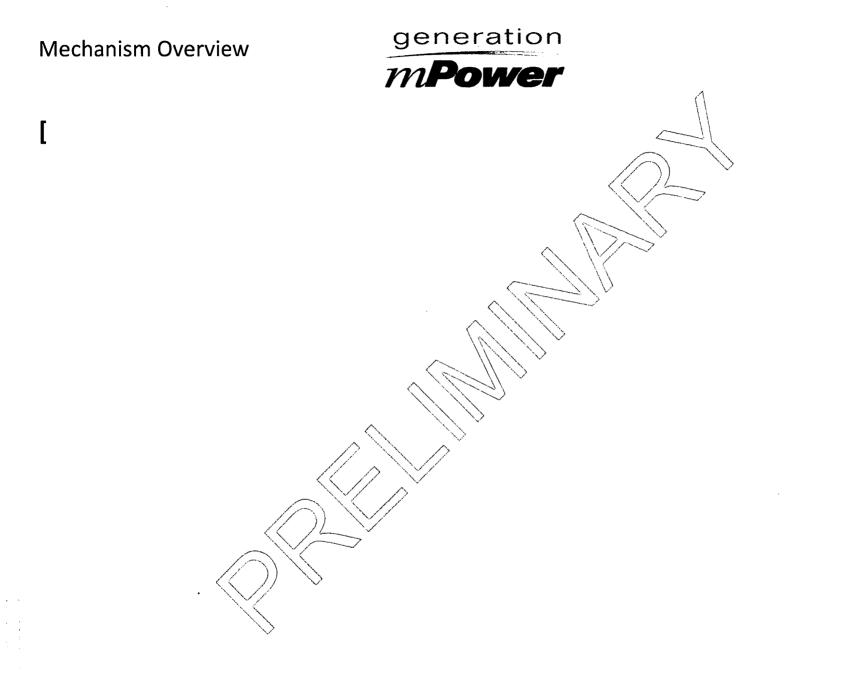




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CRDM Latching

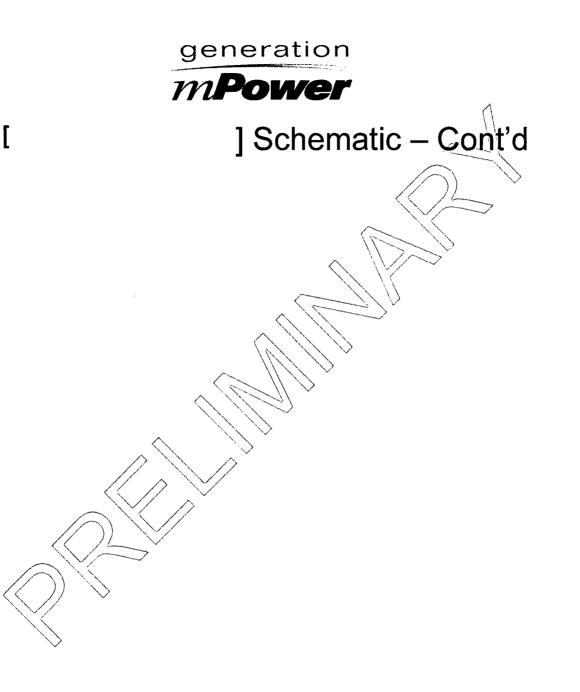




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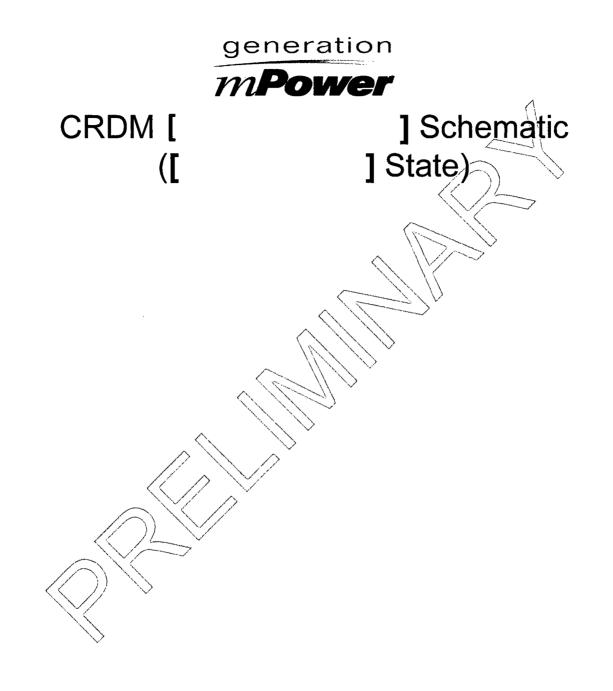


SCRAM Valve Assembly (SVA)

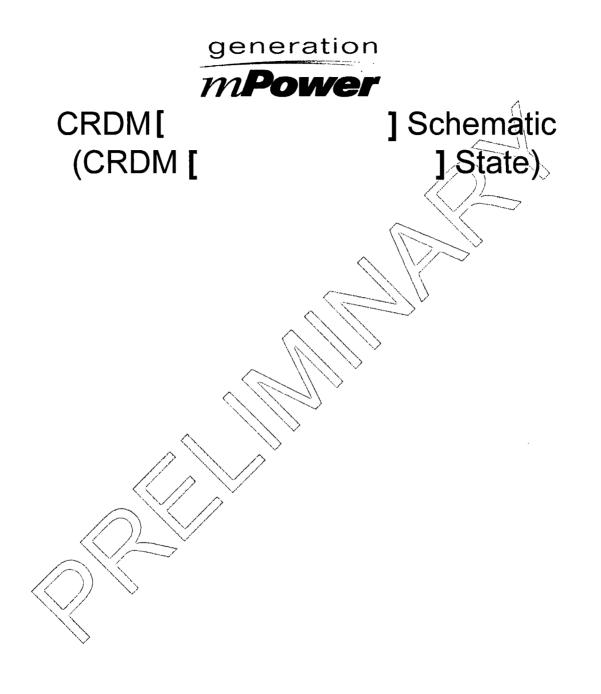
- Current SVA design:
 - View shows [



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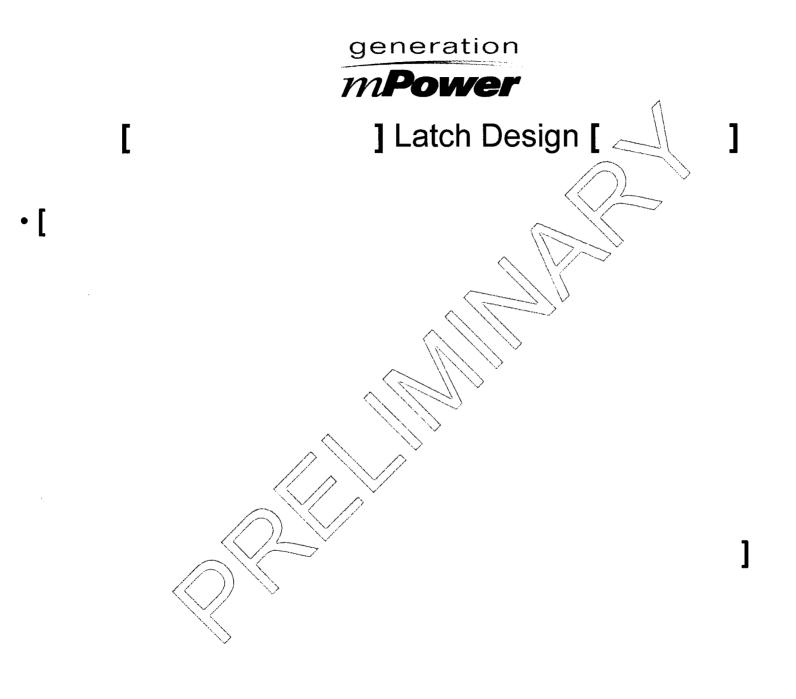


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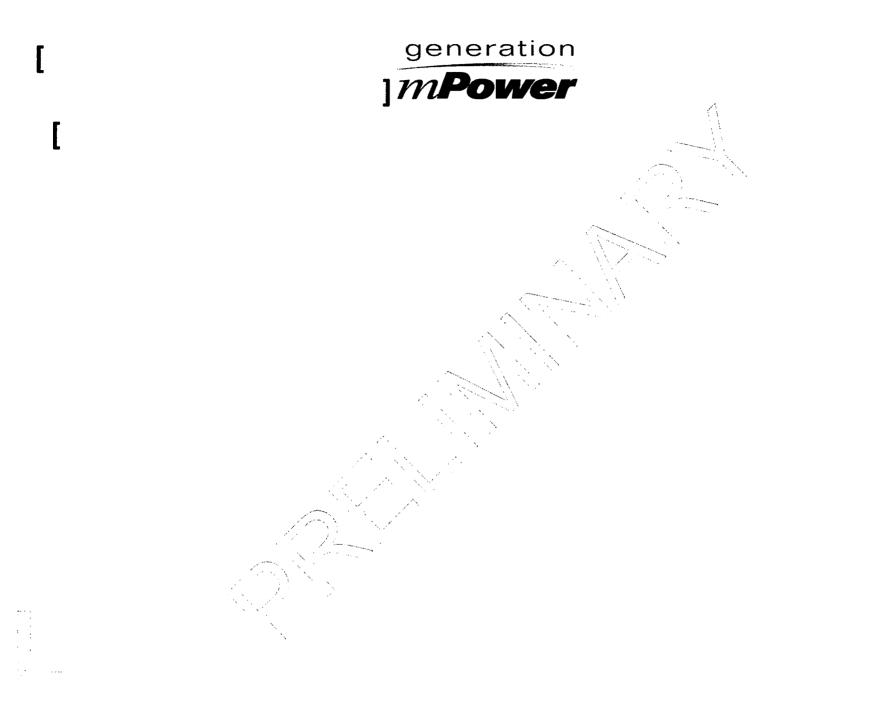


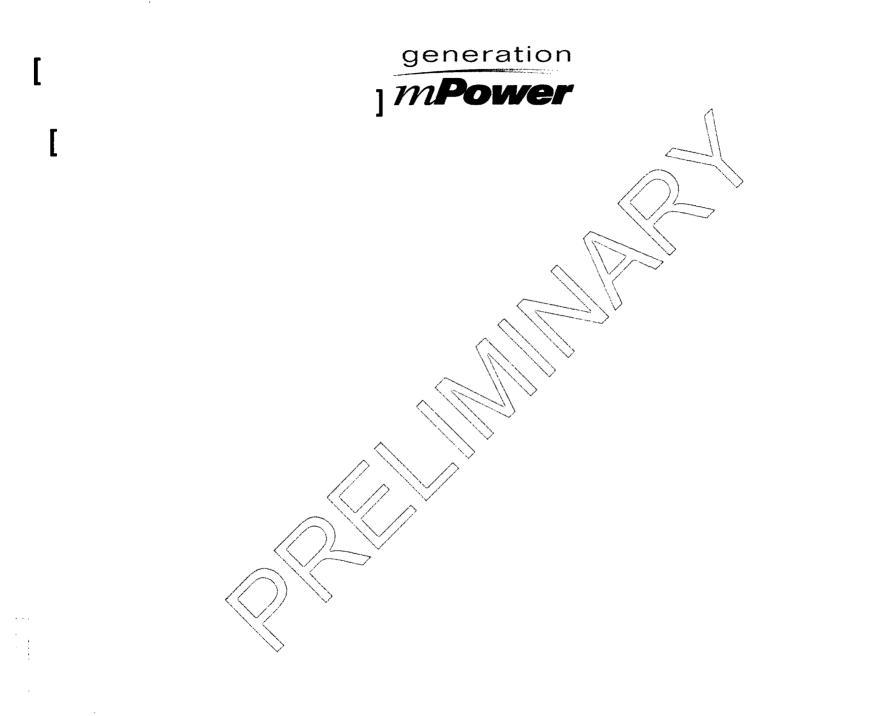
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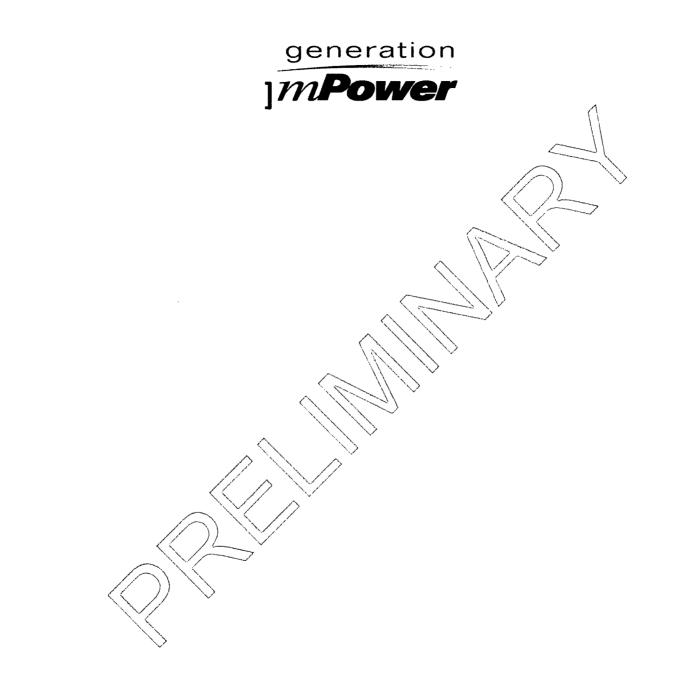


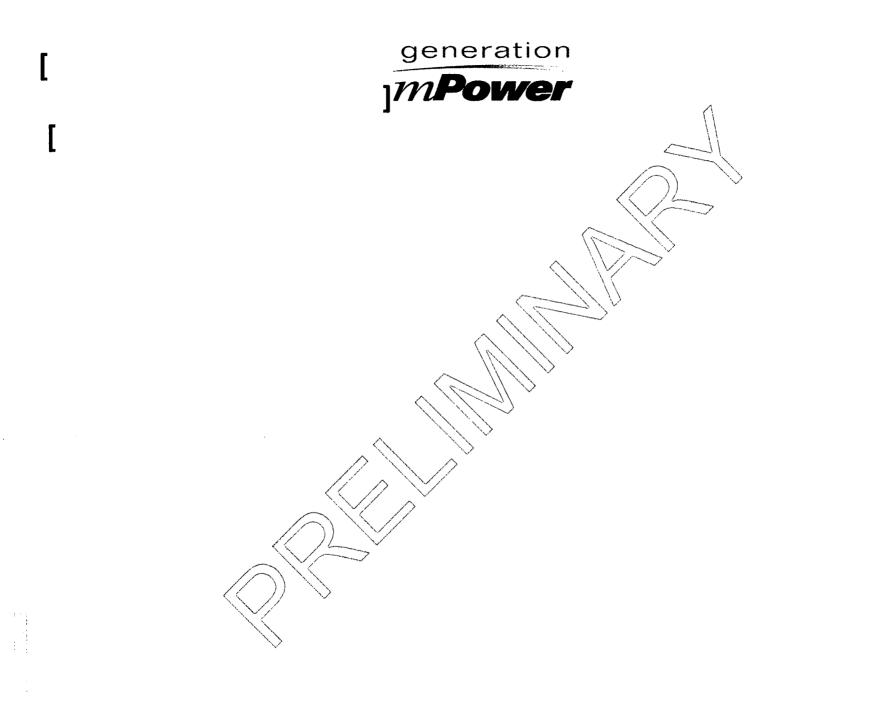




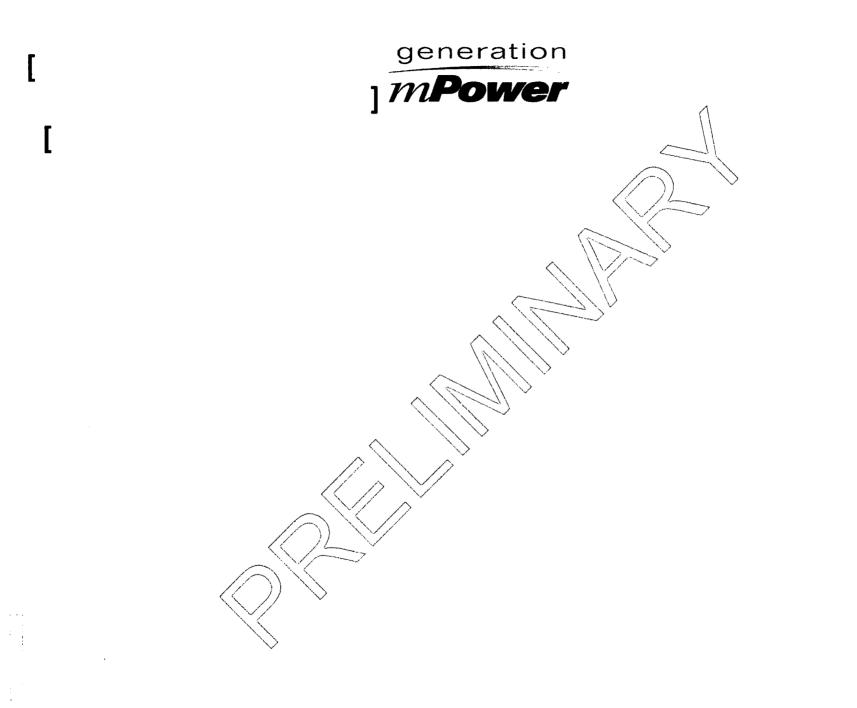


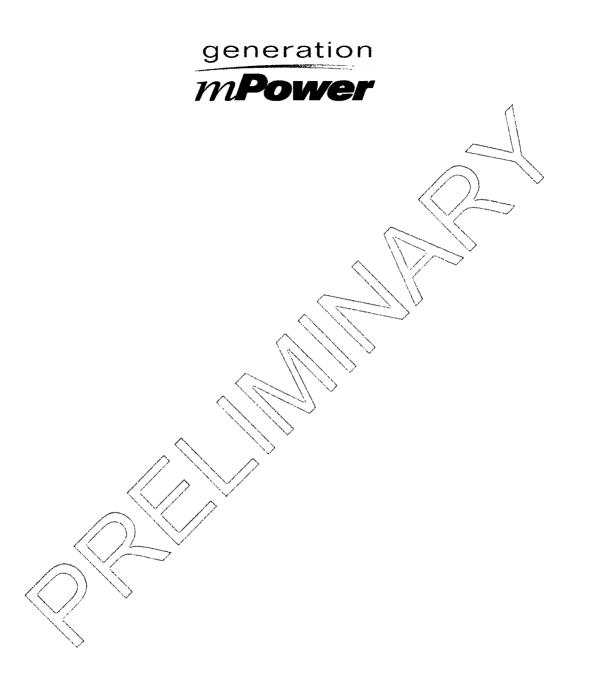






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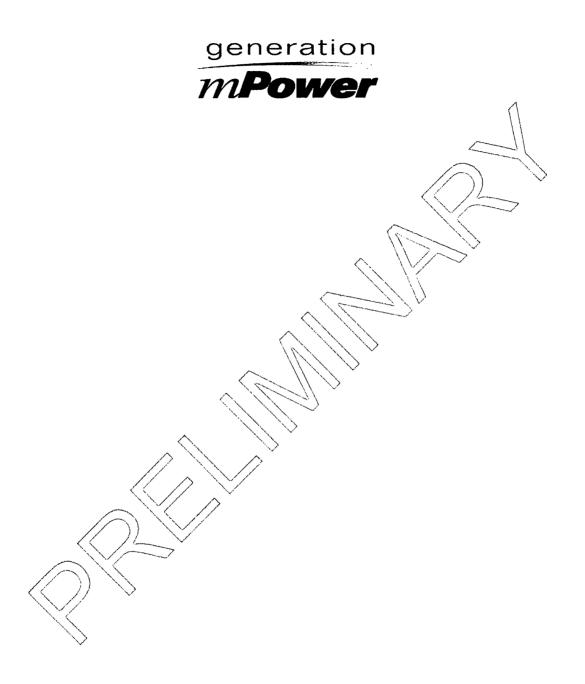




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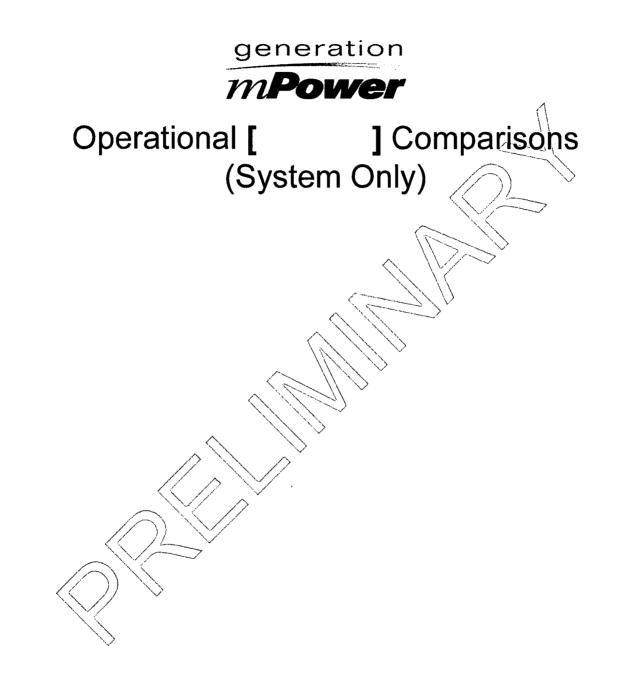








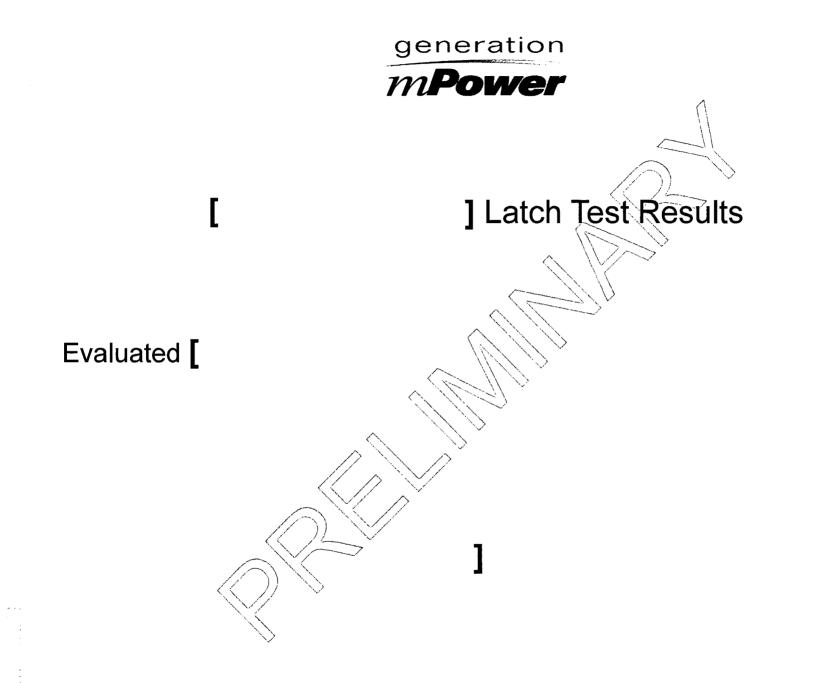






Enclosure 7 Reactor Pressure Vessel (RPV) Internals Slides (REDACTED)

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Test Configuration Figures







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