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## **ASC Chapter Update**



## **Considerations**

- Complete version has been uploaded.
  - Egemen sent text for all the sections where it was missing, and we iterated to present state.
  - Timelines for individual sections present as bulleted lists, timeline graphics updated.
  - Shifted all discussion of fuelling actuators to ASC (from BP).
    - LFS and HFS injectors, SGI, SMBI
    - But there is no discussion of pellets or CT injection.
    - If necessary, would include these in the Thrust 4: "Scenario Physics for Next Step Devices" as incremental funding.
  - Eliminated the "Pedestal Control" subsection.

## Outstanding needs

- Reference formatting is a bit off.
- Sill no mention of molybdenum or high-Z tiles.
  - Can we just assume a "staged approach" starting in the third year, with one/both divertors first?
  - And no mention of flowing Li systems (but do take credit for slapper and LITERs)
- Still no mention of NCC (not hard, just being lazy).
  - And though rotation control section is nominally complete, could be better with additional discussion of n=2 vs n=3 braking.
- Needs consistency check with other chapters.
  - Mainly BP and MS chapters in this case.
- Needs a thorough proof-reading.