

NuScale Design Specific Review Standard (DSRS) Preparation Status
August 2013

- Regarding Review Standards, the same NRC regulations apply to small modular reactors (SMRs) as apply to the large light water reactors.
 - Existing NUREG-0800 (Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition) Standard Review Plans (SRPs) are used for SMRs when they apply.
 - Design Specific Review Standards (DSRSs) are prepared for SMRs where the SRPs do not apply as written.
 - DSRSs have the same format and content as the SRPs provided in NUREG-0800 that are used for large, light water reactors.

- Approximately 280 DSRS/SRP sections are applicable to NuScale.
 - ~130 draft NuScale DSRS sections generated by National Labs have been transmitted to NRC Technical Branches to assist in preparing NuScale final draft DSRS's.
 - ~ 70 "DSRS" sections will use existing NUREG-0800 SRPs for NuScale – so no DSRS.
 - Remaining DSRS sections will be prepared by the NRC Technical Branches.
 - Of the 20 branches preparing NuScale DSRS's:
 - 9 branches have started, with some initial drafts complete.
 - Remaining branches scheduled to start later this year.

- For consistency in format and content (where applicable) and efficiencies, NRC Technical Branches will use mPower DSRS's as base to prepare NuScale DSRS's.
 - About 90% of the DSRS sections done for mPower are applicable to NuScale with minor or no changes.

- NuScale has made comments on the mPower DSRS's that were issued in the Federal Register.
 - NRC Technical Branches will use NuScale comments on mPower DSRSs when preparing NuScale DSRSs, where applicable.

- DSRS Schedule
 - All NuScale DSRS final draft sections are scheduled in Enterprise Project Management (EPM) for completion by May 2014 and are scheduled to be posted in the Federal Register mid 2014 for comment.