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## Plasma Vertical Stabilization in ITER

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- The in-vessel coils adopted recently for plasma vertical stabilization in the ITER baseline design (stabilizing system VS3) significantly increase the range of plasma controllability in comparison with the stabilizing systems VS1 and VS2, providing operating margins sufficient to achieve ITER's goals specified in the Project Requirements.
- Reduction of a low frequency noise ( $< 0.1$  kHz) in the plasma vertical velocity diagnostic signal, used in the feedback loop for its vertical stabilization, is very important for ITER plasma magnetic control.