

SSI hardware recent developments

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There have been recent developments in the SSI software, including its operability on the Linux Rocky 8 Operating System, and this has been paired with the need for adopting a new generation of computers. These developments have been dictated both by the progressive obsolescence of the existing computer models installed at the IMS facilities and by the limitations in performance derived from the use of old operating systems that are not capable of supporting the newest SSI version.

The deployment of new computers at International Monitoring System facilities is subject to a full hardware/software Verification and Validation (V&V) testing. In this framework, the next-generation computers V&V process was coordinated and conducted by the Seismic and Infrasound Team of the IMS Engineering and Development (ED) Section in collaboration with the SSI software Contractors. The thorough testing, in line with the development and consolidation of robust Quality Assurance processes, led to the validation of five (5) ruggedized low-power DC Stealth computers (LPC-845, LPC-870, LPC-915, LPC-960 and LPC-965). An overview on the most recent developments of SSI and of the testing of Stealth computers will be provided.

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