**SEI Testing overall structure (E1000304)**



- Electromagnetic Actuators

- Trillium

- GS13

- L4C

- CPS

- Inductive position sensor (Kaman)
- Servo-valve



- Circuit board

- Electronics chassis

-



- Trillium Pod Assembly
- GS13 Pod Assembly
- L4C Pod Assembly

- Hydraulic actuator
- Pump station



- HAM-ISI

- BSC-ISI

- HAM-HEPI

- BSC-HEPI

 - aLIGO HAM-ISI Testing and Commissioning Documentation
 - aLIGO BSC-ISI Testing and Commissioning Documentation
 - aLIGO HAM-HEPI Testing and Commissioning Documentation
 - aLIGO BSC-HEPI Testing and Commissioning Documentation

**aLIGO HAM-ISI Testing and Commissioning Documentation**

**Procedures:**

* LIGO-E1000341: [HAM-ISI LHO test stand: software, electronic checks, and user guide](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14734)
* LIGO-E1000300: [HAM-ISI LLO test stand: software, electronic checks, and user guide](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14268)
* LIGO-E1000309: [aLIGO HAM-ISI, Pre-integration Testing Procedure, Phase I](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14347)

**Testing Phase 1:**

* LIGO-E1000310: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #1](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14350)
* LIGO-E1000311: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #2](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14351)
* LIGO-E1000312: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #3](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14352)
* LIGO-E1000313: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #4](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14353)
* LIGO-E1000314: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #5](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14354)
* LIGO-E1000323: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #6](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14541)
* LIGO-E1000324: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LHO Unit #7](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14542)
* LIGO-E1000325: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #1](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14544)
* LIGO-E1000326: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #2](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14545)
* LIGO-E1000327: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #3](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14546)
* LIGO-E1000328: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #4](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14547)
* LIGO-E1000329: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #5](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14548)
* LIGO-E1000330: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #6](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14549)
* LIGO-E1000331: [aLIGO HAM-ISI, Pre-integration Test Report, Phase I, LLO Unit #7](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=14550)

**Testing Phase 2: After storage, before installation.**

**Testing Phase 3: In-Situ.**

**aLIGO BSC-ISI Testing and Commissioning Documentation**

**Testing Phase 1: Post assembly and before storage**

* LIGO-E1000486: [aLIGO BSC-ISI Testing Procedure, Phase I (Pre-integration testing, post-assembly and before storage)](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=21568)

**Testing Phase 2: After storage, before installation.**

* LIGO-E1000487: [aLIGO BSC-ISI Testing Procedure, Phase II (Pre-integration final tests, after storage and before insertion)](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=21569)

**Testing Phase 3: In-Situ.**

* LIGO-E1000488: [aLIGO BSC-ISI Testing Procedure, Phase III (After insertion, commissioning in the chamber)](https://dcc.ligo.org/cgi-bin/private/DocDB/ShowDocument?docid=21570)