

APPENDIX VI

ALVIN Overhauls & Inspections

Navy Requirements:

	Annual sustaining certification audit
	Overhaul at least every five years
	Hull inspection every five years (currently under review)
1989	February - Hull inspection
	August - Overhaul completed
	August - Sustaining certification audit
1990	March - Sustaining certification audit
1991	June - Sustaining certification audit
1992	August - Overhaul started
1993	February - Hull inspection (delayed until 1996)
	March - Overhaul completed
	March - Sustaining certification audit
1994	May - Sustaining certification audit
1995	May - Sustaining certification audit
1996	(Hull inspection)
	May - Sustaining certification audit)
1997	(May - Sustaining certification audit)
1998	(Overhaul)
	(Sustaining certification audit)

Major Overhaul Work Tasks:

- Hull inspection
- Frame inspection and repair
- Non-destructive testing of VB/HP air spheres
- Syntactic foam repair
- Fiberglass skin repair and painting
- Implodables pressure testing
- Cable inspection/replacement
- Battery replacement
- Control center refurbishment
- Primary systems inspections and refurbishment:
 - Hydraulic system
 - Variable ballast
 - Main ballast
 - Propulsion
 - Mercury trim
 - Compensation
 - Manipulators
- Electronic equipment refurbishment, alignment, repair

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