MTS Overview of Manned Submersible Activity in 2009

Underwater Intervention 2010

MTS Manned Submersibles Program

William Kohnen, Chair MTS MUV Committee
WELCOME

Marine Technology Society

7th Annual Manned Submersible Program of UI2010 Conference
SCHEDULE of PROGRAM

TOTAL of 21 Presentations/Meetings over Next 3 days

- 17 Technical Presentations
- 1 Regulatory Panel Discussion (USCG, ABS, GL)
- 1 Technical Panel on New Battery Systems
- MTS MUV Annual Committee Meeting Wed @ 3:30PM
- ABS INDUSTRY Meeting Thursday @ 1:30PM
ABS Classed Manned Submersibles

• 40 - Number of Submersibles Reported in ABS Class
• 2 - Number if New Subs Classed in 2009
• 6 - Number of New Subs under review for Class

ABS Special Committee Meeting on February 16th, 2010
Major Events

- Research Budgets tightening everywhere
- Economic crisis has significant impact on tourism volume
- Superyacht New construction severely impacted by slowdown
- US Navy fire and loss of ASDS leaves a big void
- US Navy de-commisionning of DSRV Mystic & PRM 1 FALCON
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• USS Dolphin – last Navy electric submarine opens to public
USS Dolphin (AGSS 555)

Open to the public at the USS Dolphin Museum in San Diego, California.
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• TRIESTE 50th Anniversary of deepest dive celebrated Jan. 23 2010
San Diego TRIESTE 50th Anniversary Reunion – Jan 23, 2010
DEEP RESEARCH SUBMERSIBLES
**ALVIN**
DEPTH Rating: 4500 m  
No. Dives: 4456  
No. Occupants: 3  
CLASS: US Navy  
Status: In Operation  

**RHOV A**
DEPTH Rating: 4500 m  
No. Dives:  
No. Occupants: 3  
CLASS: ABS  
Status: Passed PDR in 2009  
Personnel Sphere Fab
NAUTILE

DEPTH Rating: 6000 m
No. Dives: 1682
Dives to > 5000m: 120
Average Dive Depth: 3500 m
No. Occupants: 3
CLASS: BV

STATUS: Operational
Built in: 1985
Overhaul Schedule:
1990
1995
2000/2002
2008/2009
SHINKAI 6500

DEPTH Rating: 6500 m
No. Dives: 1100
No. Occupants: 3
CLASS: NK
Built in: 1987

STATUS
Installing New HD Camera
MIR 1 and MIR 2

DEPTH Rating: 6000 m
No. Dives:
No. Occupants: 3
CLASS: GL
Built in: 1989

STATUS
Last Major Overhaul in 2004
GL Surveyed and Classed
Explored Lake Baikal during 2008/2009
HARMONY

DEPTH Rating: 7000 m

No. Dives:

No. Occupants: 3

CLASS:

Status: In Sea Trials
NIOT

DEPTH Rating: 4000 m
No. Dives: 
No. Occupants: 3
CLASS: TBD
Status: RFP Evaluations

R/V SAGAR NIDHI

104 m ICE Class - Launched Jan 2008
General Overview
by
Alphabetic Order
MTS - Manned Underwater Vehicles Committee

AQUARIUS - CANADA
Full Ocean Depth 37,000 ft
DEPTH Rating: 1,200 m
No. Occupants: 3
CLASS: GL
LULA 500 - PORTUGAL
THANK YOU!

www.mt MSMUV.org