

FATHOM CCR PERIODIC CHECKLIST					
Oxygen first stage IP (205 - 290 psi/14 - 20 bar)					psi/bar
Oxygen MAV min flow (< 0.1 lpm)					initial
OXYGEN SENSORS					
Record Air mV (8.5 - 14 mV) on table and do initial math					initial
Flush with 100% oxygen					initial
Calibrate handset and HUD					initial
Record oxygen mV @ 1 ata					initial
Increase pressure to 2 ata (14.7 psi/1 bar) and record mV					initial
Evaluate for linearity and current limiting (<10% deviation)					initial
Cell	Air @ 1 ata	/0.21	x 2	O <sub>2</sub> @ 1 ata	O <sub>2</sub> @ 2 ata
1	mV	mV	mV	mV	mV
2	mV	mV	mV	mV	mV
3	mV	mV	mV	mV	mV

FATHOM CCR BUILD CHECKLIST			
CONSUMABLES			
Fill and analyze oxygen	psi/bar	O <sub>2</sub> %	
Fill and analyze diluent	psi/bar	O <sub>2</sub> /He %	
Remaining scrubber duration		min	
Handset battery		volt	
HUD battery		volt	
O <sub>2</sub> cells < 1 year	mm/yy	mm/yy	mm/yy
ASSEMBLY			
Insert scrubber, spacer, and chammies		initial	
Inspect head o-rings (4 total)		initial	
Install head w/line-lock		initial	
Mount onboard cylinders		initial	
Attach wing, counterlungs, & backplate		initial	
Flow test BOV/DSV mushroom valves		initial	
Assemble breathing loop, MAVs, & regs		initial	
PRESSURE TESTS			
Positive (3-5 min w/gas off)		initial	
Negative (3-5 min w/gas off)		initial	
Pneumatics (MAVs, wing, drysuit)		initial	
CALIBRATION			
Calibrate handset (as needed)		initial	
Calibrate HUD (as needed)		initial	

Date