



QUEST 5 Peripheral Device Specification

Device Name:

Cruise / Date:

Institute: _____ Telephone: _____

Contact: _____ e-mail: _____

Address: _____

Description: _____

A. Vehicle (Subsea) Device Integration Requirements

A1. Physical Properties

Weight in Air (kg): _____ Weight in SeaWater (kg): _____

Overall Dimensions (B x H x T mm): _____

Device is pressure isolated (_____bar pressure housing) compensated (oil-filled housing)

Device needs hydraulic interfacing no hydraulic interfacing

schematic sketch of device to be installed on vehicle (**top view / side view**)

Foto included

schematic sketch of device to be installed on vehicle (**front view / rear view**)

Foto included

Special deployment requirements (deployed fixed on ROV, deployed separately, needs elevator mooring, etc...): _____



A2. Power Requirements

Operating Voltage: _____ Min Voltage: _____ Max Voltage: _____

Operating Current: _____ Maximum Current (including startup): _____

Is Power Return(V-) isolated from Chassis (GND)? Yes No

A3. Data Requirements

No Data required (skip this section)

Port Required: RS-232 RS-485 RS422 Video Ethernet Other

Data Rate: 2400bps 9600bps 19.2kbps 38.4kbps 56kbps Other: _____

Data Bits: 7 8 9 Other _____

Parity: Odd Even None

Update rate: Continuous Polled (_____Hz) single request from topside

A4. Underwater Electric Interface Requirements

SeaNet Connector can be installed (ASR PartNo. 101-4394, see drawing attached)

Quest SeaNet Pinout:

Description (Signal)	SeaNet Pin #	Needed? yes/no
Input Power (26VDC)	1 (Red)	
Power Return (V-)	2(Black)	
Chassis Ground (GND)	3 (Green/Yellow)	
Video 1	4 (large Brown coax)	
RS232 TX/RS485B	5 (Red coax)	
RS232 RX/RS485A	6 (Green coax)	
Video 2	7 (small Brown coax)	

It is impossible to install a SeaNet Connector.

Our connection has the following specs on device-side cable side

Connector Type:	
Pinout	Signal
1	
2	
3	
4	
5	
6	
7	

Comments: _____



B. Topside (Laboratory) Interface Requirements

B1. Physical Properties

Topside Control Device needs lab (bench) space on ship:

Comments (PC, MAC, other devices) _____

B2. Data / Control Interface Requirements

Topside Data Interface is

PC-based Other: _____

Topside Data Interface needs:

RS232 multiple RS232 RS422 RS485 TCP/IP UDP Other:

Topside Interface is used for

data retrieval only control and data retrieval control only

Data Output format is

binary ASCII Other: _____

Data format description (i.e. NMEA sample string):

contact:

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