ACC 401 Mini Quick Reference Guide

Valid for software version 5.0 and later. For detailed description of the ACS, see the ACS Instruction Manual.

How to use the ACC 401

Charging the battery

NOTE!
• **The battery should remain on charge at all times while the system is not in use.**

Procedure:

1. Remove the cable from the front cover.
   - Use only this cable supplied with the unit.
2. Connect the cable to the AC IN connector.
3. Connect the other end to the 230 Vac mains supply.
4. The LED above the AC IN connector will light while the battery is being charged.

Getting started

1. Place the ACC 401 unit in a suitable location and remove the front cover.
2. Lower the dunking transducer (**A**) into the sea (more than 10 m below the lowest part of the platform / ship).
3. Connect the transducer cable to the ACC 401 unit (**B**).
4. Press the **POWER** button (**C**).
   - The MAIN MENU page ● is displayed.
   - Only three menu selections will be presented in the window at the same time.

This applies for both the main menu and the submenus. The selected command is always presented at the same menu line (the middle line).

5. Select the required menu. The selection is displayed in inverse video ● .

● **See page 2**

Menu

Main menu

ACC 401
- - - - - - - - - - - - -
SYSTEM SETUP
BOP CONTROL
READ BOP STATUS
SHOW BOP STATUS
EXIT PROGRAM (Power off)

(Cd34007a)

Submenu

SYSTEM SETUP
- - - - - - - - - - - - -
SELECT BOP UNIT
SET TOPSIDE TX POWER
SET BOP UNIT1 TX POWER
SET BOP UNIT2 TX POWER
SHOW SYSTEM INFO
SUBSEA BATTERY RESET

Submenu

BOP CONTROL
(The stack functions are BOP dependent)

Submenu

READ BOP STATUS
- - - - - - - - - - - - -
READ ELECTRICK STATUS
READ VALVE STATUS
READ BATTERY STATUS
READ SHORT STATUS
GET SOLENOID CURRENT
GET ANALOG READBACK

KONGSBERG

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Pushbuttons function

Arrows

↑↓	•SELECT the required menu input
	•Move the cursor up / down in the menu
	•Increase / decrease the required selection
	  - Press the button: **one step at a time**
	  - Press and hold the button: **Fast count**

→	•ENTER
	  - Enter / activate the selected menu
	    or function
	•Move the cursor to the right

←	• LEAVE / CLOSE
	  - Returns the control to the previous menu
	• ABORT
	  - Aborts the ongoing function
	• Move the cursor to the left

Dedicated buttons

EXECUTE- two buttons. These buttons must be pressed simultaneously, and held for a minimum of three seconds, to execute critical commands.

POWER Switch ON the system (ACC 401).
To switch OFF the system you must use the menu function EXIT PROGRAM.
If EXIT PROGRAM is not used, the system will be switched OFF automatically after 10 minutes.

LIGHT Background light, toggle ON / OFF. The background light will automatically switch OFF after 2 minute if no operation. Press LIGHT to toggle the light ON.

HELP Short information on how to use the ACC 401.

● Page content - basics

Bat% Indicates remaining battery capacity for the ACC 401 unit 100-0 % If the battery % is below 50%, the text will flash, indicating that the battery must be charged.

Acoustic status field

XX "Count down" while waiting for acknowledge / subsea reply.
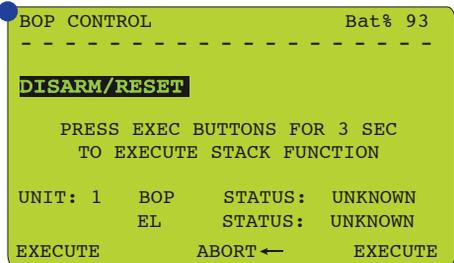
Operation - example

NOTE!
All commands effecting the BOP valves must be confirmed by pressing the two EXECUTE buttons (C) simultaneously and held for at least three (3) seconds for the command to be transmitted.

The operational procedure, display layouts and messages are virtually identical for all stack functions. The only visible difference between them, is the name of the function displayed in line 3. The example used is:

Procedure for DISARM/RESET
1. Select **BOP CONTROL** in the main menu.
2. Select THE **DISARM/RESET** command.

```
BOP CONTROL                Bat% 93
- - - - - - - - - - - - - - - - - -

 DISARM/RESET

  PRESS EXEC BUTTONS FOR 3 SEC
   TO EXECUTE STACK FUNCTION

UNIT: 1   BOP   STATUS:  UNKNOWN
          EL    STATUS:  UNKNOWN
EXECUTE         ABORT ←     EXECUTE
```

3. Press the **EXECUTE** buttons for 3 seconds to transmit the command.
  - The display shows a "countdown" and Status: UNKNOWN while the message is transmitted and the ACC unit waits for the Acknowledge message.