

Welcome to the November edition of the SKIPPER Newsletter.

## Sales

### **SKIPPER is closed the following days:**

- 15. December 2014 (Stocktaking)
- 16. December 2014 (Stocktaking)
- 24., 25. and 26. December 2014 (Christmas Holliday)
- 31. December 2014 (New Year)
- 1. January 2015 (New Year)

Please take note of above closing dates regarding your order to be shipped out in due time.

### **Coming soon – Last call!**

SKIPPER now develop new IMO Wheelmarked Echo Sounders for navigation (SKIPPER ES1, ES2, ES4 and ES6), and will release these in 2015. We aim to make these ideal for use in retrofit. In these cases the transducer is often still ok but the electronics needs replacing.

To aid this we want to approve the system with as many “old” and “current” transducers as possible. If you have a transducer you want to be approved with our new Echo Sounders, then we need to get hold of the transducer! Please inform us regarding this, and we will arrange for the shipment. Please send your request to [support@skipper.no](mailto:support@skipper.no).

### **Company evaluation**

SKIPPER would like your feedback regarding our products and service. The evaluation will take 2 minutes. [Please access the evaluation here!](#)

### **Follow SKIPPER on Facebook:**

Join SKIPPER on Facebook with this link: <http://www.facebook.com/groups/374685331159/>

## Technical

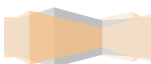
### **Obsolete Echo Sounder:**

GDS101U was produced until 31st. December 2004.  
10 years after last production this product is obsolete.  
The GDS101U is recognized by the monochrome screen (Black and white).

Spare parts specific to GDS101U will be sold until stock is empty.

PK-G001	PCB keyboard GDS101 Mono ver B
PT-G001	PCB Terminal board GDS101, Monochrome screen
SA-G021	Operator unit, Subassy Frontplate 9,4" mono ext/printer
KY-G002	LCD panel 9,4" Mono GDS101U 24kohm. Hitachi LM5278XUFC. - s
KY-G001	LCD panel 9,4" Mono GDS101U 27kohm. Sharp LM64P83L – service
SA-G144	CPU upgrd GDS101U (Mono) 6135 => 6742 w CPU plate, etc.

The GDS101C-SA with colour screen is still in production and spare parts common between the two will be available for many years.



## Planned SKIPPER service trainings 2015

The following courses are planned for 2015, please let us know if you intend to come to these so we can plan numbers of courses and contents.

Date	Duration (days)	Course type	Continent	Country
June 2015	3,5	Service	Europe	Norway – SKIPPER Electronics
Approx. December 2015	3,5	Service	China	Shanghai Marine Radio& Navigation Aids Service Center
Approx. December 2015	3,5	Service	China	Shanghai Marine Radio& Navigation Aids Service Center
Approx. September 2015	3,5	Service	U.A.E. Dubai	Elcome International
Approx. March/April 2016	3,5	Service	Singapore	Jason Electronics

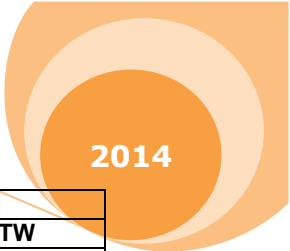
### Training details 3,5 days

Day 1 09.00AM-05.00PM	Day 2 09.00AM-05.00PM	Day 3 09.00AM-05.00PM	Day 4 09.00AM-01.00PM
Echo sounders	Speed Logs	Bottom Equipment	New Multi series Speed logs
Principles	IMO requirements	Tanks / Sea Valves	DL1 Multi. 1-axis STW
The Systems	Doppler principle	Positioning	DL2 2-axis STW+SOG
GDS101	Electromagnetic log principles	Installation in the hull.	DL21 Speed log STW+SOG for vessels > 50.000GT
GDS102	DL850 270kHz Dual axis STW+SOG	DL-1 Single axis Doppler Speed Log	
ETT985 Echo sounder simulator/tester	EML 224 Dual axis STW		

### Training details 3 days

Day 1	Day 2	Day 3
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09.00AM-05.00PM	09.00AM-05.00PM	09.00AM-05.00PM
<b>Echo sounders</b>	<b>Speed Logs</b>	<b>EML 224 Dual axis STW</b>
Principles	Navigational speed log requirements	The EML 224 Graphic display
The Systems	Doppler principle	The EML 224 Compact display
	Electromagnetic log principles	Software Hardware Installation Maintenance Diagnostics
<b>GDS101 Echo sounder</b>	<b>DL850 270kHz Dual axis STW+SOG</b>	<b>DL-1 DL1 Multi</b>
GDS101 software Hardware Installation Maintenance	Software Installation Hardware Maintenance Diagnostics	Single axis Doppler speed log
<b>GDS102</b>	<b>Bottom Equipment</b>	
Two frequencies Echo Sounder	Tanks Sea Valves Positioning of bottom parts	
<b>ETT985</b>		
Echo sounder simulator and Transducer tester		

Best regards,



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**SKIPPER Electronics AS**

