

# Latest Customer Manuals

Updated 01/06/2009

PART NR.	Manual Title (File Name)	Description	Release Date	Notes
<b>General Manuals</b>				
<b>Reference Manuals</b>				
94-00-035	SLS_R_v1.1	Care and Usage of Seals Reference (For use by Operations and Maintenance engineers)	24/02/2004	
94-00-066	MSDS_R_1.1	Material Safety Data Sheet Book	20/05/2009	Addition of Loctite®620, 648
<b>Negative Pulse</b>				
94-00-058	APC_2_M_v1.1_U	Actuator Power Controller Mark 2 (Incorporating APC1 upgrade) Maintenance	06/01/2009	Added STB3, HTHP Fins, new Housing Drawing, new Front Page
94-00-034	SEA2_M_v2.0_U	Survey Electronics Assembly Mark 2 (incorporating SEA1 upgrade) Maintenance	02/03/2007	
94-00-042	3_PRT_M_v1.0	3 Port Ultra-Slim Negative Transmitter Maintenance	04/03/2005	
94-00-045	HDS_O_v1.0	Hydraulic Depth Sensor Operations Supplement (Only for Offshore Floating Rigs)	10/10/1995	
94-00-033	PTR_O_v2.1	Pressure Test Rig User's Guide	30/10/2008	Updated 30/10/08, minor procedure change to Accumulator valve operation, new Front Page, Piston dipping procedure moved within the section
94-00-031	NSFT_v1.053	Navigator Software Users' Manual	20/02/2009	
94-00-032	PSA1_M_v1.2	Power Supply Assembly Mark 1 Maintenance	29/06/2001	
94-00-034	SEA2_M_v2.2_U	Survey Electronics Assembly Mark 2 (incorporating SEA1 upgrade) Maintenance	10/02/2009	New Format. Remove pulser references, Orienteer software, STB2. Add HT fins
94-00-036	STB3_O_v1.4	Systems Test Box Mark 3 Users' Guide	14/08/2008	New GE Front Page, general tidy up
94-00-039	TRX_M_v2.2	Standard Transmitter Maintenance	12/08/2008	Addition of Eng Drawings; new Eq. Piston; revised Parts Lists; Index
94-00-038	TRX_O_v2.5	Standard Transmitter Operations (including operation of Gamma and Pressure During Drilling)	23/02/2009	Change Orienteer to Navigator, Change STB2 to STB3, add to PDD ops, add cpr, add HTHP cent fins, add v13+ firmware, minor corrections
94-00-040	V4DSS_O_v2.1	Version 4 Directional Surface System Users' Guide	19/06/2008	Updated BASEEFA certs

94-00-044	V4DTS_O_v2.0	Version 4 Depth Tracking System Users' Guide	17/09/2003	Updated BASEEFA certs
94-00-064	70-30-000c	Standard Transmitter Drawings	24/03/2008	
	<b>Positive Pulse</b>			
94-00-054	MPUL_M_v1.0	3.5" and 3.125" (89mm and 79mm) Pulser Supplement Maintenance	31/01/2003	
94-00-031	NSFT_v1.53	Navigator Software Users' Manual	20/02/2009	
94-00-055	PCF_M_v1.0	Pulser Control and Flow Assembly Maintenance	30/04/2000	
94-00-032	PSA1_M_v1.2	Power Supply Assembly Mark 1 Maintenance	29/06/2001	
94-00-057	PUL_M_v3.0	Retrievable Pulser Maintenance	22/01/2004	
94-00-056	PUL_O_v2.0	Pulser Field Operations	25/05/2005	
94-00-061	SEA2_M_v2.2_U	Survey Electronics Assembly Mark 2 (incorporating SEA1 upgrade) Maintenance	10/02/2009	New Format. Remove pulser references, Orienteer software, STB2. Add HT fins
94-00-035	SLS_R_v1.1	Care and Usage of Seals Reference (For use by Operations and Maintenance engineers)	24/02/2004	
94-00-036	STB3_O_v1.4	Systems Test Box Mark 3 Users' Guide	10/06/2008	
94-00-040	V4_DSS_O_v2.1	Version 4 Directional Surface System Users' Guide	19/06/2008	Updated BASEEFA certs
94-00-044	V4DTS_O_v2.0	Version 4 Depth Tracking System Users' Guide	17/09/2008	Updated BASEEFA certs
	<b>Archive</b>			
	OSFT_R_v8	Orienteer Software Users' Guide	01/01/2004	Replaced by Navigator
	SEA1_M_v1.0	Survey Electronics Assembly Mark 1 Maintenance	01/01/1998	Replaced by SEA2
	STB2_O_v1.0	Systems Test Box Mark 2 Users' Guide	01/01/1998	Replaced by STB3
	APC1_M_v2.0	Actuator Power Controller Mark 1 Maintenance	30/04/2002	Replaced by APC 2
	v3DSS_O_v99	Version 3 Directional Surface System Users' Guide	30/04/2000	Replaced by Version 4 Surface System
	GEOFACT HANDBOOK	Geofact Handbook Version 3	02/01/1996	Awaiting update to accommodate assembly upgrades

	TRX_O_v2.1	Standard Transmitter Operations (including operation of Gamma and Pressure During Drilling)	08/01/2008	Minor procedural changes
	ELK_O_v1.1	E-Link Operations	06/05/2007	
	<b>OR2</b>	Orienteer 2 Tool Assemblies (1.75" size)		
94-00-058	APC2_M_v1.1_U	Actuator Power Controller Mark 2 (Incorporating APC1 upgrade) Maintenance	06/01/2009	Added STB3, HTHP Fins, new Housing Drawing, new Front Page
94-00-059	PCF2_M_v1.0	Pulser Control and Flow Assembly Mark 2 Maintenance	06/04/2004	
94-00-060	PSA2_M_v1.3	Power Supply Assembly Mark 2 Maintenance	06/02/2009	New Format. Remove pulser references. Add HT fins
94-00-061	SEA2_M_v2.2_U	Survey Electronics Assembly Mark 2 (incorporating SEA1 upgrade) Maintenance	10/02/2009	New Format. Remove pulser references, Orienteer software, STB2. Add HT fins

	<b>E-Link</b>				
94-00-052	ELK_M_v2.2	E-Link Maintenance Manual (Gap Sub, Internal Assembly, Transmitter and E-Link Power Supply Assembly)	19/12/2008	Part number change	
94-00-053	ELK_O_v2.1	E-Link Operations	19/12/2008	Part number change	
	<b>Gamma</b>				
94-00-063	GPM_R_v1.0	Gamma Ray Logging Principles	04/01/2008		
94-00-043	MGR1_M_v2.0	Gamma Ray Assembly Maintenance	29/01/2004		
	<b>TRIM</b>				
94-00-046	RPM_R_v1.0	Resistivity Principles Reference	27/01/2003		
94-00-048	TRM1_M_v1.6	TRIM Induction Resistivity Tool Maintenance	06/08/2007		
94-00-047	TRM1_O_v1.0	TRIM Induction Resistivity Tool Operations	31/07/2003		
	TRMS_M_v1.1	Slim TRIM Induction Resistivity Tool Maintenance	08/08/2008	Revised Calibration Specifications	
	<b>PDD</b>				
94-00-051	PDD_M_v1.1	Guardian Pressure During Drilling Sub and Electronics Maintenance	12/01/2009	New Mounts, sub test, drawings, Battery Load test, CPR compatibility	
	<b>CPR</b>				
94-00-050	CPR_O_v3.0	CPR Propagation Resistivity Tool Operations	01/06/2009	4.75, 6.75, 8.0 Tools, Probe Battery Tools, Annular appendicised.	
	CPR_M_v1.0	CPR Maintenance (4.47", 6/75" and 8.0")	29/05/2009	New Manual	
	CPR3_O_v1.0	3-1/8" & 3-1/2" CPR Operations	14/04/2009	New Manual	
	CPR3_M_v1.0	3-1/8" & 3-1/2" CPR Maintenance	04/05/2009	New Manual	
	<b>Liberator</b>				
	LIB_DSM_M_v1.0	Liberator Directional Survey Module Maintenance	01/08/2000		

	LIB_DSS_OM_v1.0	Liberator Directional Surface System Maintenance and Operations	01/01/2000	
	LIB_O_v1.0	Liberator MWD System Operations	01/01/2000	
	LIB_PCM_M_v1.0	Liberator Pulser Control Module Maintenance	01/01/2000	
	LSFT_R_v1.0	Liberator Software (V1) Manual	01/01/2004	
	PUL_M_v3.0	Retrievable Pulser Maintenance	22/01/2004	
	SLS_R_v1.1	Care and Usage of Seals Reference (For use by Operations and Maintenance engineers)	24/02/2004	
	<b>Pilot &amp; Welltracer</b>			
	<b>Pilot</b>			
MN-351000	PPUL_M_v1.3	Pilot Pulser Maintenance	16/01/2009	
MN-Pilot Ops	PPUL_O_v1.2	Pilot Pulser Operations	16/01/2009	Updated with suggestions from Devon Kambeitz
	<b>Welltracer</b>			
MN-351000T	WPUL_M_v1.3	Welltracer Maintenance	16/01/2009	
MN-WELLTRACER OPS	WPUL_O_v1.2	Welltracer Operations	16/01/2009	Updated with suggestions from Devon Kambeitz
	<b>Third Party Pulser</b>			
MN-351000X	TPUL_M_v1.3	Third Party Pulser Maintenance	16/01/2009	
	<b>SPWR</b>			
	5-OP-007 Rev B SPWR Manual	Target's Slim PWR Resistivity Tool SPWR Operations	12/08/2005	
	<b>Chinese Simplified Set</b>			
	OSFT_R_v8_SC	Orienteer Software Users' Guide	01/01/2004	
94-00-055C	PCF2_M_v1.0_SC	Pulser Control and Flow Assembly Mark 2 Maintenance	06/04/2004	
94-00-060C	PSA2_M_v1.0_SC	Power Supply Assembly Mark 2 Maintenance	14/07/2004	

94-00-057C	PUL_M_v3.0_SC	Retrievable Pulser Maintenance	22/01/2004
94-00-056C	PUL_O_v2.0_SC	Pulser Field Operations	25/05/2005
94-00-061C	SEA2_M_v2.0_SC	Survey Electronics Assembly Mark 2 Maintenance	02/03/2007
94-00-035C	SLS_R_v1.1_SC	Care and Usage of Seals Reference (For use by Operations and Maintenance engineers)	24/02/2004
94-00-040C	V4_DSS_O_v2.0_SC	Version 4 Directional Surface System Users' Guide	14/01/2004
94-00-038C	TRX_O_v2.2_SC	Standard Transmitter Operations (including operation of Gamma and Pressure During Drilling)	24/03/2008
<b>Russian Set</b>			
94-00-043R	APC1_M_v1.0_RU	Actuator Power Controller Mark 1 Maintenance	30/04/2002
94-00-060R	MGR1_M_v2.0_RU	Gamma Ray Assembly Maintenance	29/01/2004
	PSA2_M_v1.0_RU	Power Supply Assembly Mark 2 Maintenance	14/07/2004
94-00-033R	PTR_OM_v2.0_RU	Pressure Test Rig Users' Guide	27/07/2005
94-00-035R	SLS_R_v1.1_RU	Care and Usage of Seals Reference (For use by Operations and Maintenance engineers)	24/02/2004
94-00-038R	TRX_O_v2.1_RU	Standard Transmitter Operations (including operation of Gamma and Pressure During Drilling)	04/09/2006
94-00-040R	v4_DSS_O_v2.0_RU	Version 4 Directional Surface System Users' Guide	14/01/2004
94-00-061R	SEA_M_v2.1_RU	Survey Electronics Assembly Mark 2 (incorporating SEA1 upgrade) Maintenance	24/03/2008
94-00-031R	NSFT_v1.050_RU	Navigator Software Users' Manual	24/03/2008
94-00-039R	TRX_M_v2.2_RU	Standard Transmitter Maintenance Manual	26/09/2008
94-00-036R	STB3_O_v1.4_RU	Systems Test Box 3 Users Guide	26/09/2008

### Mexican Spanish

MN-PilotOps	PPUL_O_v1.2_MS	Pilot MWD/ LWD Operations Manual	19/01/2009	Part no. is Sondex Canada pn
MN-351000	PPUL_M_v1.3_MS	Pilot Pulser Maintenance Manual	19/01/2009	Part no. is Sondex Canada pn
MN-WELLTRACER OPS	WPUL_O_v1.2_MS	Welltracer MWD Operations Manual	19/01/2009	Part no. is Sondex Canada pn
MN-351000T	WPUL_M_v1.3_MS	Welltracer Pulser Maintenance Manual	19/01/2009	Part no. is Sondex Canada pn
MN-351000X	TPUL_M_v1.3_MS	Third Party Pulser Maintenance Manual	19/01/2009	Part no. is Sondex Canada pn

Manual Nomenclature use the convention:

AAA\_B\_CCC\_DD

Where

AAA = Assembly Type

B = Manual type M - Maintenance, O - Operations, R - Reference

C = Version Number

D = Translation language (if applicable)

U = Upgrade parts/ assemblies included