DPD System 2
Optionally-Manned Vehicles with Navigation & Control for EOD & Maritime SOF

stiddmil.com

MADE IN U.S.A.
Manned or Autonomous...
The “All-In-One” Vehicle

Moving easily between manned and autonomous roles, STIDD’s new generation of propulsion vehicles provide operators innovative options for an increasingly complex underwater environment.

Over the past 20 years, STIDD built its Submersible line and flagship product, the Diver Propulsion Device (DPD), around the basic idea that divers would prefer riding a vehicle instead of swimming.

Today, STIDD focuses on another simple, but transformative goal: design, develop, and integrate the most advanced Precision Navigation, Control and Automation Technology available into the DPD to make that ride easier, more effective, and when desired . . . RIDELESS!

DPD2 - Manned Mode

DPD2 - OM2 Mode
Building on the legacy of its Diver Propulsion Device (DPD), the most widely used combat vehicle of its kind, STIDD designed and developed a system of DPD Navigation, Control and Automation features which enable a seamless transition between Manned and fully Autonomous modes.

RNAV2 was developed by STIDD partnering with Greensea as the backbone of this capability. RNAV2 is powered by Greensea’s patent-pending OPENSEA™ operating platform, which not only enables RNAV2’s open architecture, but also seamlessly integrates STIDD’s OM2/AP2 Diver Assist /S2 Sonar products into an intuitive, easy to use, autonomous system. When fully configured with the Precision Navigation, Control & Automation System including RNAV2/OM2/AP2/S2, any DPD easily transitions between Manned, Semi-Autonomous, and Full-Autonomous modes.
Introducing **RNAV2**

**PRECISION NAVIGATION SYSTEM**

for DPD-Mounted, Diver-Portable & DPD-OM2 Missions.

RNAV2 Precision Navigation System (p/n 4600-101) is an innovative electronic navigation system that can be either mounted in the DPD to enable precision navigation by combat divers, or without divers for Optionally-Manned Vehicle (OM2) missions. Additionally, the RNAV2 can be dismounted in seconds for swimming in hand-held mode. In any role, the RNAV2 offers SOF personnel the unprecedented capability of a navigation tool for precise clandestine subsea navigation, mine countermeasures, beach reconnaissance, ship-attack, missions, object identification, and AUV operations.

The RNAV2 adjustable back-lit 8.4” color LCD screen constantly displays the operator’s position on a high resolution moving map display for instantaneous situational awareness. Position accuracy of 0.5% over distance traveled is achieved through a suite of high-accuracy on-board sensors and an optimized Kalman filter.

The RNAV2 is powered by an internal BB-2590/U Li-Ion battery which provides system power for 7+ hours or 5+ hours when configured with the 2S Sonar Option forward imaging sonar. The battery life enables 1500 full discharge cycles and is recharged though an external recharging port on the RNAV2. Recharge time is <8 hours.

The simple to operate ergonomic input devices and user-friendly mission planning software allow all levels of users to create waypoints and routes and easily upload them into the RNAV2.

**NEW!**

Navigate your way...
Applications for the S2 Sonar Option for RNAV2 include:

- Zero visibility Navigation
- Object Detection
- Obstacle Avoidance
- Situational Awareness
- Operations Monitoring
- Area Survey/Search & Recovery
- Diver/ Swimmer Detection & Tracking
- DPD-mountable and diver swimmable operation for maximum mission efficiency

NEW!  OM2
Optionally-Manned Vehicle Package

OM2 is a transformative system of vehicle control features that enable full remote autonomous control of the DPD.

OM2 features include:
- Automated Antenna Mast
- Automated Throttle Control
- Communications Receiver
- Network Sensor Integration Hub

NEW!  S2 SONAR for RNAV2

The S2 Sonar Option for RNAV2 (p/n 4600-102) enhances the precision navigation capabilities of the innovative RNAV2, adding high quality forward-looking sonar images to the operator in low- and zero-visibility environments for precise long, or short range obstacle avoidance and/or target interrogation.

- Snap-in for DPD Navigation
- Snap-out for Swimming Navigation

NEW! AP2 DIVER ASSIST
for RNAV2

The AP2 Diver Assist Option provides exceptional RNAV2 control of the DPD by dynamically adjusting vehicle pitch and heading, automatically keeping the DPD on its programmed or manually-selected course and depth, while accurately compensating for the effects of currents, diver motions, and changes in diver buoyancy.

AP2 Diver Assist features include:
- AP2 Diver Assist 2-axis control the of the DPD via integrated electro-mechanical actuators fitted to the pitch and rudder linkages of the DPD reduces power consumption, diver workload, and enroute time to destination by eliminating the inherent control inaccuracies of the typical operator.
- The AP2 eliminates manual heading errors, deviations, depth excursions, and delayed diver response to changing environmental conditions, allowing the operator to focus on critical mission functions.
- AP2 Software control algorithms provide a smooth and safe descent/ascent rate, protecting the divers from undesired excursions.
- Manual override of RNAV2 commands via the control yoke, allows the operator to quickly change heading or depth when required.
- In NAV Mode, the AP2 follows preset routes and depths programmed into the RNAV2 during the mission planning process, transiting directly to a commanded waypoint at a commanded depth.
- In HDG Mode, the AP2 follows diver-selected heading commands while maintaining the present depth.
**S2 SONAR**

The S2 Sonar Option for RNAV2 enhances the precision navigation capabilities of the innovative RNAV2, adding high quality forward-looking sonar images to the operator in low- and zero-visibility environments for precise long, or short range obstacle avoidance and/or target interrogation.

- **OM2**

OM2 is a transformative system of vehicle control features that enable full remote autonomous control of the DPD while maintaining manned capability.

- **OM2 features include:**
  - Automated Antenna Mast
  - Automated Throttle Control
  - Communications Receiver
  - Network Sensor Integration Hub

**S2 SONAR**

The S2 Sonar Option for RNAV2 enhances the precision navigation capabilities of the innovative RNAV2, adding high quality forward-looking sonar images to the operator in low- and zero-visibility environments for precise long, or short range obstacle avoidance and/or target interrogation.

- **S2 Sonar Applications include:**
  - Detection /Obstacle Avoidance
  - Situational Awareness
  - Operations Monitoring
  - Area Survey/Search & Recovery

**RNAV2 - PRECISION NAVIGATION & CONTROL**

RNAV2 is an innovative electronic navigation system that can be either mounted in the DPD to enable precision navigation by divers, or without divers for AUV missions. The RNAV2 adjustable back lit 8.4” color LCD screen constantly displays the operator’s position on a high resolution moving map display for instantaneous situational awareness. Position accuracy of 0.25% over distance traveled is achieved through a suite of high-accuracy on-board sensors and an optimized Kalman filter.

- **RNAV2 includes the following cutting edge precision accuracy sensors:**
  - 600kHz Doppler Velocity Log (DVL)
  - 3-axis compass module with sub .5° heading accuracy
  - Fiber Optic Gyro (FOG) Internal Measurement Unit (IMU)
  - 40 channel GPS with <2.4m position accuracy
  - Multi-state Kalman filter

**DPD in OM2 Mode**

The DPD, designed for and certified by the U.S. Navy, is the most widely used military-grade underwater mobility vehicle in the world.

**DPD2 DIVER PROPULSION DEVICE**

- **DPD Certification:**
  - DPD is the only export controlled certified diver propulsion device in the world.
  - NATO NSN (National) Stock
  - UN Transport Certified

*PATENTED: U.S. Patent No. 6,615,761 * International Patents Pending

**RNAV2**

RNAV2-PRECISION NAVIGATION & CONTROL

**RNAV2**
**AP2 DIVER ASSIST**

The AP2 Diver Assist Option provides exceptional RNAV2 control of the DPD by dynamically adjusting vehicle pitch and heading, automatically keeping the DPD on its programmed or manually-selected course and depth, while accurately compensating for the effects of currents, diver motions, and changes in diver buoyancy.

**AP2 Diver Assist features include:**

- AP2 Diver Assist 2-axis heading control and 4th axis depth control of the DPD via integrated electro-mechanical actuators fitted to the pitch and rudder linkages of the DPD
- The AP2 Diver Assist eliminates manual heading errors, deviations, depth excursions, and delayed diver response to changing environmental conditions.
- AP2 Diver Assist software control algorithms provide a smooth and safe descent/ascent rate, protecting the divers from undesired excursions.

**RNAV2-PRECISION NAVIGATION & CONTROL**

RNAV2 is an innovative electronic navigation system that can be either mounted in the DPD to enable divers for AUV missions. The RNAV2 adjustable back lit 8.4” screen constantly displays the operator’s position on a high resolution moving map display position accuracy of 0.25% over distance traveled is achieved through a suite of high-accuracy on-board sensors and an optimized Kalman filter.

The RNAV2 is powered by an internal BB-2590/U Li-Ion battery which provides system power for 7+ hours. The simple to operate ergonomic input devices and user-friendly mission planning software allow all levels of users to create waypoints and routes and easily upload them into the RNAV2.

**RNAV2 includes the following cutting edge precision accuracy sensors:**

- 600kHz Doppler Velocity Log (DVL)
- 3-axis compass module with sub .5° heading accuracy
- Fiber Optic Gyro (FOG) Internal Measurement Unit (IMU)
- 40 channel GPS with <2.4m position accuracy
- Multi-state Kalman filter

**RNAV2 with S2 SONAR mounted in Diver Portable mode**

**RNAV2 System2 Layout**

DPD System2 Layout

DPD with fore/aft cutaways exposing installed RNAV2 and AP2 actuators

**U.S. Navy, is the most widely used military-grade**

**“Approved for Navy Use” (ANU) in the world.**

**NATO NSN**

**UN Transport Certified**

**International Patents Pending**

**AP2 DIVER ASSIST**

The AP2 Diver Assist Option provides exceptional RNAV2 control of the DPD by dynamically adjusting vehicle pitch and heading, automatically keeping the DPD on its programmed or manually-selected course and depth, while accurately compensating for the effects of currents, diver motions, and changes in diver buoyancy.

**AP2 Diver Assist features include:**

- AP2 Diver Assist 2-axis heading control and 4th axis depth control of the DPD via integrated electro-mechanical actuators fitted to the pitch and rudder linkages of the DPD
- The AP2 Diver Assist eliminates manual heading errors, deviations, depth excursions, and delayed diver response to changing environmental conditions.
- AP2 Diver Assist software control algorithms provide a smooth and safe descent/ascent rate, protecting the divers from undesired excursions.
When equipped with the complete Navigation, Control and Automation System, the DPD’s inherent speed, endurance, and payload capacity enable operators to conduct an unprecedented range of missions in Manned, Semi-Autonomous and Full Autonomous Mode . . . all with the same DPD!

**DPD MODE**

- MANNED
  - RNAV2
  - AP2
  - S2

- MANNED & OM2
  - RNAV2
  - AP2
  - S2

- OM2
  - OM2

**FEATURES**

- Precision Navigation
- Increased Operator Situational Awareness
- Reduced Operator Workload
- Low Operator Effort Transits
- Low Operator Training Required
- Route/Mission Changes from Remote C^2 Nodes
- On-Call Resupply/Extraction
- Fully Autonomous Capability - NO Operator Required

**MISSIONS**

- ISR
- Infil/Exfil
- Beach Survey
- Payload Delivery
- MCM
- CT - Piracy / Narcotics
- Over-Watch of CACHE site
- Near Land / Harbor Monitoring
- Deploy - Leave Behind Sensors / Arrays
- Search & Recovery Operations
- MUM-T Operations
- Rapid Environmental Assessment

Greensea provides navigation, control, and autonomy products for marine vehicles based on their patent-pending OPENSEA™ operating platform. Over 700 systems have been installed on manned, unmanned, surface, and subsea vehicles. www.greenseasystems.com

RNAV2 with S2 Sonar is also Diver Portable for Clandestine, Short Duration Dives requiring Precision Navigation.
Switching easily between Manned, Semi-Autonomous, and Full Autonomous modes, the DPD configured with the complete Navigation, Control and Automation System can perform an unprecedented number of missions.

DPD System 2 Mission Scenarios

- **DPD-OM2**
  OM2 transforms DPD2 into a fully autonomous vehicle.
  *(Shown with optional CP2 Cargo POD)*

- **DIVER PORTABLE**
  RNAV2 enables short duration dives requiring Precision Navigation

- **DPD-MANNED/OM2**
  OM2 provides operators options for semi-autonomous, or fully autonomous vehicle modes

- **AP2 Diver Assist** reduces operator workload / increases situational awareness

**STIDD’s DPD2**, when configured with the complete RNAV2 controlled Precision Navigation and Automation System, provides the benefits of Manned-Unmanned Teaming (MUM-T) operations, where the combined strengths of each capability can be optimized to increase overall situational awareness and navigational accuracy. Using the unmanned element of MUM keeps the manned assets safe and improves overall mission effectiveness.
STIDD now offers an expanded lineup of three different DPD2 Vehicles optimized to execute any mission profile with different combinations of SPEED, RANGE, and PAYLOAD CAPACITY.

SINGLE THRUSTER (TEC2)
p/n 4500-100-TEC
The STIDD Diver Propulsion Device (DPD) is the most widely used military-grade underwater mobility platform in the world. The DPD enables divers to travel farther and faster with more payload than previously possible with any other diver propulsion device.

- Approved for US NAVY Use (ANU Listing)
- Under contract to USMC, US Army, USSOCOM and many International SOF Maritime Units
- NATO NSN (National Stock Number)

SINGLE THRUSTER (TEC2) EXTENDED RANGE
p/n 4500-100-TEC-ER
With the addition of a second High Capacity “MUSCLES” Lithium-Ion Battery System, the Single Thruster DPD with Extended Range Option effectively doubles the Range.

- 200% the Range of a Single Thruster DPD
- Two Batteries Required
- Same Dimensions & Certifications as Standard DPD

DUAL THRUSTER (XT)
p/n 4500-100-XT-TEC
The DPD with Dual Thruster (DPD-XT) provides operators not only additional speed and range, but also two independently redundant propulsion systems. The DPD-XT maintains all DPD exterior dimensions and certifications. The DPD-XT utilizes two (2) standard DPD batteries which power two (2) TEC2 thrusters. For missions that require extended speed and range, the Dual Thruster DPD is an ideal platform.

- 33% Faster than Standard DPD
- Redundant propulsion improves mission safety
- Twin high efficiency, low noise direct drive DC thruster motors
- Two Batteries
- Additional towing capacity: Easily tows 3-4 divers with full load

All DPD vehicles have the same proven and reliable dimensions and Certifications.
High Performance TEC2 THRUSTER

TEC2 High Performance Thruster (p/n 4600-1-200)

Brute Power for Maritime SOF
All DPD vehicles are available with STIDD’s NEW high-efficiency TEC2 Thruster, which provides a 25% increase in speed over our standard MIK Thruster.

- Proprietary Magnetically Coupled Drive
- No dynamic seals to maintain
- Innovative Nozzle and Ducted Propeller
- Increased Diver Safety
- Significantly Improved Efficiency
- Self-Regulating Motor Load Electronics for improved reliability

MAXIMUM DPD SPEEDS*

<table>
<thead>
<tr>
<th>Model</th>
<th>Speed (kt)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DPD-TEC2 (Single TEC2 Thruster)</td>
<td>2.7</td>
</tr>
<tr>
<td>DPD-XT-TEC2 (Dual TEC2 Thruster)</td>
<td>3.2</td>
</tr>
</tbody>
</table>

*pAll DPD speed & range values are based upon (1) diver. Actual performance may vary with diver, training, environmental conditions and equipment.

“MUSCLES” LITHIUM-ION POWER SYSTEM

Massive Unit Small Cell Lithium Energy System

Developed to give the DPD a better performing, more reliable, higher value, virtually maintenance-free power source, the DPD Lithium-Ion Battery System utilizes rigid cylinder lithium-cobalt cells - the most advanced, most mature cell technology available. Each “MUSCLES” battery consists of cells arranged in series and parallel arrays, monitored by proprietary control, balancing and safety circuits

The DPD Lithium-Ion Advantage

- Maximum Performance with Minimal Maintenance
- May be shipped via commercial cargo aircraft
- Partial cycles are cumulative. No “memory” effect
- Best overall performance and economy of any electric propulsion system

p/n 4510-120
U.S. and International Patents Issued and Pending
The DPD provides combat divers versatile options for carrying combat equipment including Internal, External, and Towable Cargo POD.

1. INTERNAL CARGO HOLD

Up to 3 ft³ (85L) of cargo can be stowed in the DPD’s fore body section secured by a cargo net. Internal cargo can include diver personal gear or mission equipment. With optional Cargo Bag with Neutral Buoyancy Unit (NBU) Pouches and the optional (NBU) Packs, divers are able to make their internally carried cargo neutrally buoyant.

(Above) Cargo Bag contoured fits into the DPD cargo area. Once the bag is filled with equipment it can be made neutral with the addition of the NBU Packs.

(Left) Neutral Buoyancy Unit (NBU) Pack contains 64 NBU cells. Each cell provides 1 lb (500g) of buoyancy. For use with the Contoured Cargo Bag, or other load out containers.

2. EXTERIOR CARGO TIE-DOWN POINTS

Versatile cargo points, positioned port and starboard on the DPD fore body, allow operators to attach weapons, hooks, and other cargo to the DPD while underway.

Haul all the Gear. . .

When all options are used together, operators expand available cargo capacity to over 15 cu-ft (425L) enabling the easy transport of all required gear.
3. **CP2 CARGO POD**

*Low-Drag Towable Capsule*

p/n 4580-100

The new CP2 DPD Cargo POD (p/n 4510-400), provides an additional 12 cubic feet (340L) of cargo space with minimal additional drag, when towed behind the Diver Propulsion Device (DPD). Optimized for minimal drag using advanced CFD (Computational Fluid Dynamics), and extensively dive-tested under real world conditions, the Cargo POD is fabricated from marine alloy aluminum and hardcoat anodized for prolonged corrosion resistance and rugged durability. Neutral buoyancy is provided by hard-mounted rigid foam volumes in the nose and tail sections. The 21 inch (0.53m) diameter and 92.5 inch (2.4m) length are compatible with NATO submarine torpedo tubes.

**CP2 Cargo POD features include:**

- Hinged Hatch, allowing full access to the interior
- Positive spring-loaded gloved-hand operable hatch lock
- Internal tie down rails to secure gear
- Bow tow-eye for quick link to DPD
- Forward and aft lifting eyes for fast launch and recovery
- Stabilizing stern planes for positive tracking without pitch or yaw
- Multiple vents for quick fill/drain
- Four (4) Hand Holds for easy manual lift/carry

**CP2 Specifications:**

- **Material:** Marine aluminum alloy
- **Finish:** Hardcoat anodized
- **Hardware & fittings:** 316L Stainless steel
- **Cargo Volume:** 12 cu-ft (340L)
- **Cargo Weight (air):** 700 lbs (317kg) max
- **Cargo Access:** Hinged hatch
- **Cargo Hatch:** 18 in x 48 in (0.5m x 1.2m)
- **Cargo length, max:** 66 in (1.7m)
- **Cargo hatch lock:** Spring-loaded latch
- **Cargo Tie Downs:** Three (3) 48 in (1.2m) rails
- **Drag Load:** Minimal
- **Diameter:** 21 in (0.53m)
- **Length:** 93.5 in (2.4m)
- **Weight, empty (air):** 80lbs (36.3kg)
- **Weight (salt water):** 0lbs (0kg)
- **Lifting Handles:** Four (4)
- **Lifting Points:** Forward and aft

*The Cargo POD weighs 80lbs (36kg) in air, and may be loaded with up to 700lbs (317kg) of neutrally buoyant cargo. • The Cargo POD is towed from the DPD aft tow point. • Horizontal and vertical Stern Planes keep the Cargo POD aligned within the shadow of the DPD, resulting in minimal additional drag. • An additional Cargo POD may be added to double DPD cargo capacity from 12 cu-ft (340L) to 24cu-ft (680L).*
4600-101
RNAV2 Precision Navigation & Control System
Innovative electronic navigation system for use by combat divers, mounted in the DPD, or dismounted in seconds for swimming in hand-held mode. Includes GPS, DVL, KALMAN Filter, internal battery and charger.

4600-102
S2 Sonar Option
Enhances the precision navigation capabilities of the RNAV2, adding high quality forward-looking sonar images to the operator in low and zero visibility environments for precise long or short range obstacle avoidance and/or target interrogation.

4600-120
AP2 Diver Assist Option
Provides exceptional RNAV2 control of the DPD by dynamically adjusting vehicle pitch and heading, automatically keeping the DPD on its programmed or manually selected course and depth, while accurately compensating for the effects of current, diver motion, and changes in diver buoyancy.

4600-200
OM2 Optionally-Manned Vehicle Package
Provides a series of vehicle control features that enable full remote, autonomous control of the DPD.

4600-111
RNAV2 Tactical Mission Planning/Debrief Terminal
The mission planning workstation allows for a computerized method of planning and optimizing mission parameters for use with the RNAV2 navigation system. Post mission debriefing capabilities allows the users to review actual tracks and transit depths, recorded sonar images, marked target positions etc.

4600-127
GPS Float
Deployable/retractable GPS antenna cable reel with a 15m deployment length. GPS antenna in a buoyant pressure-proof float easily deploys to the surface by releasing out the minimum cable necessary to reach the surface. Clandestine low-viz GPS float quickly re-acquires signal even in heavy seas. Cable retracts via the hand crank spool eliminating the requirement to manually wrap the cable around a fixed spool. Other cable lengths available upon request.

4510-131
Heavy-Duty Carry Bag DPD (A)
Protective Nylon zippered bag for hand-carrying the DPD.

4510-137
Maintenance Cart (B)
Wheeled cart for use when servicing or storing the DPD.

4510-112
DPD “MUSCLES” Li-Ion Battery Charger
Charges one (1) DPD Li-Ion Battery from full discharge to full charge in eleven (11) hours. (NSN 6130-01-536-0585)

4510-120
Spare DPD “MUSCLES” Li-Ion Propulsion Battery for TEC2
Contained in sealed Pressure-Proof Battery Container. (NSN 6140-01-536-0008)

4510-130
DPD Contoured Cargo Bag w/NBU Pouches
Cargo bag contoured to fit into the DPD cargo area and be made neutral with NBUs (p/n 4510-944)

13
**DPD2 Options & Accessories**

**4530-9-332 Unique Identification (UID) Tag**
Provides for the coding, identification and marking of DPD and selected options in compliance with MIL STD 130.

**4510-920 Extended Range Option**
(Left) Doubles the range of a DPD. Includes: B-Link Electronic Interface, (shown left) Neutral Buoyancy Cradle, Installation Hardware and O&M Manual. A second (spare) DPD "MUSCLES" Li-Ion Battery is required (p/n 4510-118). (NSN 4220-01-536-1487)

**4510-940 TEC2 Long Term Maintenance Spare Parts**
Includes all spare parts required to perform DPD depot maintenance and non-warranty repair for one (1) DPD for approximately four (4) years. (NSN 2590-01-536-1576)

**4510-941 TEC2 Long Term Maintenance Special Tools**
Includes all special tools required to perform depot level maintenance. (NSN 4220-01-536-1448)

**4510-944 Neutral Buoyancy Unit (NBU) Pack**
Contains 64 NBU cells, each cell provides 1 lb. (500g) of buoyancy. For use with Contoured Cargo Bag (p/n 4510-130) or other load out container. (NSN 4220-01-538-5980)

**4510-943 Provisioning Parts List (PPL)**
Listing of all recommended replaceable parts and LRU’s for the DPD with current FY pricing. 4510-200  Field Service Kit All tools required to service and maintain the DPD while in operational deployment. (NSN 4220-01-538-5984)

---

**Deep Submergence DPD Option**
270 FSW (82m)

**4500-100-DS Deep Submergence DPD Vehicle**
Includes: All required NAVSEA Approved components to extend transport/operating depth to 270 FSW (82m), including: Deep Submergence DPD "MUSCLES" Li-Ion Propulsion Battery in sealed Pressure-Proof Battery Container (p/n 4510-118-DS), Deep Submergence rated Thruster and Throttle pressure containers; and O&M Manual (p/n 4510-125). Charger (p/n 4510-112) not included.

**4510-118-DS Deep Submergence DPD Battery**
"MUSCLES" Li-Ion Propulsion Battery Same configuration as a standard DPD battery, but housed in a NAVSEA approved Machined Billet pressure container. When combined with Deep Submergence Upgrade Kit (p/n 4510-253), extends the transport/operating depth of a DPD (p/n 4510-100) to 270FSW (82m).

**4510-253 Deep Submergence Upgrade Kit**
Kit includes all required NAVSEA approved components to increase transport/operating depth of a standard DPD (p/n 4510-100) to 270 FSW (82m). Deep Submergence Upgrade kit does not include DPD Deep Submergence Li-Ion Propulsion Battery (p/n 4510-118-DS), which must be purchased separately.

**4510-210 TEC2 Deployment Load Out Kit**
All parts and consumables required to support the DPD during both operational deployment and emergency field repairs for one (1) DPD for approximately four (4) years. (NSN 4220-01-538-5985) 4510-125  DPD O&M Manual CD format, in plastic case.

**4510-930 Basic Maintenance & Operator Training Course (Level 1)**
Comprehensive five (5) day instructional course for up to ten (10) students, performed by a STIDD senior technician/operator at customer facility, covering all aspects of DPD maintenance and operation. Includes all consumables and travel costs for the instructor.

**4510-931 Advanced Maintenance & Repair Training Course (Level 2)**
Comprehensive two (2) day instructional course for up to ten (10) students, performed at the STIDD facility or customer facility, covering all aspects of DPD maintenance and repair including troubleshooting and repair of key DPD components. Includes instructor travel costs. (Requires p/n 4510-940 and p/n 4510-941)

**4510-932 Factory Technical Support**

**4510-933 ON-SITE Technical Support * **

**4510-934 ON-SITE Operational Training and Support * **

**4510-220 Load Out Training & Support**
(Required with p/n 4510-210)

* For services rendered in CONUS. Consult factory for details.
MILITARY EXHIBIT SCHEDULE & IN-WATER DEMOS

Our military exhibit booth is an ideal place to see STIDD Sub Boats and discuss your requirements with STIDD’s team of expert acquisition specialists. Please check our website for exact show dates.

STIDD also invites approved users to visit our Sub Boat Test Facility in South Florida for in-water demonstrations. On-site demonstrations at customer’s facility are also possible. Contact STIDD for more details.

With over 450 units in operation by US and International Special Operations Forces (SOF), the STIDD DPD is the most widely used Combat Diver Propulsion Vehicle (DPV) in the world.

STIDD Systems, Inc. is proud to support these Military Units and International Organizations, including:

• U.S. Special Operations Command
• United States Marine Corps
• Navy Special Warfare Command
• Army Special Forces Command
• North Atlantic Treaty Organization (NATO) Members and Major Non-NATO Allies (MNNA)
• Association of South East Asian Nation Members (ASEAN)

stiddmil.com
The STIDD Military Products website includes the latest, most up to date unclassified information on STIDD Military Submersibles
To become an authorized STIDD Military Website User Contact: 631-477-2400 ext 158 or e-mail sales@stiddmil.com

• DPD (Diver Propulsion Device) Items
  Items are on GSA Contract No. GS-07F-0101K
  www.gsaadvantage.gov

• STIDD Systems is a Small Business Entity.
• STIDD Submersible Boats are subject to ITAR controls.
  US Department of State DTC license required for export.

www.stiddmil.com