## Petris: PetrisWINDS DrillNET

<table>
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<th>Product Description</th>
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| PetrisWINDS DrillNET  
Version 1.1  
WITSML Object Specifications Version 1.3  
WITSML API Specification Version 1.3  
PetrisWINDS DrillNET’s networking capability permits data to be shared, stored, and reused among system users. Networking through DrillNET promotes collaboration and reduces overhead by allowing program data to be re-used.  
DrillNET is capable of both importing and exporting WITSML data objects for use in other applications and projects. |

<table>
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<tr>
<th>Availability</th>
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<td>From September 2006</td>
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<tr>
<th>Submitter Information</th>
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May 9, 2008 |
WITSML Function Coverage

Check all that apply. Explain limitations and/or special circumstances in the Comments area.

Notes:

Functional coverage is organized according to five kinds of product functionality with respect to the WITSML Standards: two kinds of client functions and three kinds of server functions.

- A product may exhibit multiple kinds of functionality.
- The terms client and server are used here exclusively with respect to the WITSML Server API interfaces. Clients issue requests to servers. Servers receive and respond to requests from clients.
- Behaviors for products that do not use the WITSML Server API are classified in an analogous manner.

The five product classifications of WITSML functional coverage are:

- **Client Products**
  1. **WITSML Producer Client** -- a product that generates or otherwise obtains data that is formulated as WITSML object instances and sent to a WITSML Server to be incorporated in that server's data population. Examples of such products include products that pick up real-time data from sensor devices, format it, and send it to a server; and products that extract data from data stores, format it, and send it to a server.
  2. **WITSML Consumer Client** -- a product that issues requests for data as queries of subscriptions to a WITSML Server and then receives data as query responses or subscription publications. Examples of such products include products that acquire data from a server, possibly reformat it, and delivery it to an application program or viewer utility.  

- **Server Products**
  3. **WITSML Receiving Server** -- a product that performs WITSML Server functions in general and, in particular, acquires data from external sources. Data acquisition may be through WITSML API interfaces or other mechanisms.
  4. **WITSML Delivering Server** -- a product that performs WITSML Server functions in general and, in particular, delivers data to external destinations. Data delivery may be through WITSML API interfaces or other mechanisms.
  5. **WITSML Managing Server** -- a product that performs WITSML Server functions in general and, in particular, supports requests from authorized client applications to augment (extend), modify, or delete (part or all) WITSML object instances.  

- **General Functions**
  6. Virtually all products associated with the WITSML Standards will issue and/or process **WITSML Server General Functions** to determine the capabilities and version of a server product.

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### 1. WITSML Producer Client

A product that (generates and) sends WITSML object instances to a destination process:

1a [ ___ ] Sends to a WITSML Server using AddToStore interface

1b [ X ] Otherwise
2. **WITSML Consumer Client**
   A product that requests and receives WITSML data from a source process:
   2a [ ___ ] Queries a WITSML Server using GetFromStore interface
   2b [ ___ ] Subscribes to a WITSML Server using Publish interface
   2c [ _X_ ] Otherwise

3. **WITSML Receiving Server**
   A product that performs the WITSML Server interfaces and receives data from source processes:
   3a [ ___ ] Receives WITSML object instances via AddToStore interface
   3b [ ___ ] Otherwise receives WITSML object instances
   3c [ ___ ] Receives non-WITSML form data treated as if it were WITSML object instances or a virtual equivalent

4. **WITSML Delivering Server**
   A product that performs the WITSML Server interfaces and delivers data to destination processes:
   4a [ ___ ] Delivers WITSML data in response to queries via GetFromStore interface
   4b [ ___ ] Publishes WITSML data in response to subscriptions via the Publish interface
   4c [ ___ ] Otherwise delivers WITSML data
   4d [ ___ ] Delivers non-WITSML form data derived from WITSML object instances or a virtual equivalent

5. **WITSML Managing Server**
   A product that performs the WITSML Server interfaces and manages (augments, changes, deletes portions, or deletes entirely) WITSML object instances or a virtual equivalent:
   5a [ ___ ] Processes modification requests via AddToStore, UpdateInStore, DeleteFromStore interfaces
   5b [ ___ ] Otherwise processes modification requests

6. **WITSML General Functions**
   A product that issues general WITSML Server interface requests to a WITSML Server:
   6a [ _X_ ] Issues GetVersion and/or GetCapabilities
   A product that performs the general WITSML Server interfaces:
   6b [ ___ ] Processes GetVersion and/or GetCapabilities

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**WITSML Object Coverage**

Mark D for Deliver and R for Receive, as applicable. If all functions do not apply, note either functions supported or functions not-supported, e.g. supported by 1a. Explain other limitations or special cases in the Comments area.

- [ ___ ] Realtime
- [ _DR_ ] Well
- [ _DR_ ] Wellbore
- [ ___ ] Log & WellLog
- [ _DR_ ] Trajectory & Traj. Stn.
- [ ___ ] Message
- [ ___ ] Mud Log
- [ ___ ] Rig
- [ ___ ] Survey Program
- [ _DR_ ] Target
- [ ___ ] Fluids Report
- [ ___ ] Operations Report
- [ ___ ] Risk
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<th></th>
<th>formation marker</th>
<th>conventional core</th>
<th>sidewall core</th>
<th>cement job</th>
<th>tubular</th>
<th>bha run</th>
<th>wb geometry</th>
<th>other, specify</th>
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<td><strong>Last Update</strong></td>
<td>May 9, 2008 by David Archer</td>
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