# IDS: DEPOT.WITSML

| DEPOT.WITSML (Independent Data Services) | |
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| **Product Description** | WITSML Server for IDS DataNet Well Reporting and Management System<br>Datalink Version 1.0 (previously DataLink)<br>WITSML Object Specifications Version V1.3.1.1<br>WITSML API Specification Version V1.3.1<br>The product uses the WITSML GetFromStore function to all the pickup of data. |
|  | IDS is a company that provides well reporting and management services. |
| **Availability** | From November 21, 2005, revised for IDS DataNet2 engine, built as a plug-in to the core foundation module Data Exchange Point Of Transfer (DEPOT) and is therefore included in the range of products that is based on the DataNet2 engine. |
| **Submitter Information** | Reuben Wee<br><br>Chief Technology Officer<br><br>Independent Data Services<br><br>Suite 08.03, 8th Floor<br><br>Menara Keck Seng<br><br>203 Jalan Bukit Bintang<br><br>Kuala Lumpur 55100 Malaysia<br><br>sales@idsdatanet.com<br><br>Tel.: +6 03 2143 2787<br><br>Fax: +6 03 2143 4787<br><br>January 28, 2009 |

| WITSML Function Coverage | Check all that apply. Explain limitations and/or special circumstances in the Comments area. |
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| | 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. |
| | <ul><li>A product may exhibit multiple kinds of functionality.</li><li>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.</li><li>Behaviors for products that do not use the WITSML Server API are classified in an analogous manner.</li></ul> |
| | The five product classifications of WITSML functional coverage are: |
| | <ul><li>Client Products --<br>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.<br>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.<br>1&2. Products the exhibit **combined Producer and Consume Client** functions may be application programs that operate directly on a WITSML Server, such as a mudlogging application or a pore pressure analysis application.</li><li>Server Products --<br>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.<br>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.<br>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.<br>3&4. The general understanding and expectation is that a product characterized as a WITSML Server supports **both Receiving and Delivering Server** functionality.<br>3&4&5. The **addition of Managing Server** functionality allows a WITSML Server product to do more than store and forward data, such as supporting data quality management client applications that help ensure the integrity and quality of data content in a Server data population.</li><li>General Functions --<br>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.</li></ul> |
| 1. **WITSML Producer Client** | A product that (generates and) sends WITSML object instances to a destination process:<br>1a [_X_] Sends to a WITSML Server using AddToStore interface<br>1b [____] Otherwise |

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| 2. **WITSML Consumer Client** | A product that requests and receives WITSML data from a source process:<br>2a [_X_] Queries a WITSML Server using GetFromStore interface<br>2b [____] Subscribes to a WITSML Server using Publish interface<br>2c [____] Otherwise |
| 3. **WITSML Receiving Server** | A product that performs the WITSML Server interfaces and receives data from source processes:<br>3a [_X_] Receives WITSML object instances via AddToStore interface<br>3b [____] Otherwise receives WITSML object instances<br>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:<br>4a [_X_] Delivers WITSML data in response to queries via GetFromStore interface<br>4b [____] Publishes WITSML data in response to subscriptions via the Publish interface<br>4c [_X_] Otherwise delivers WITSML data<br>4d [_X_] 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:<br>5a [_X_] Processes modification requests via AddToStore, UpdateInStore, DeleteFromStore interfaces<br>5b [____] Otherwise processes modification requests |
| 6. **WITSML General Functions** | A product that issues general WITSML Server interface requests to a WITSML Server:<br>6a [_X_] Issues GetVersion and/or GetCapabilities<br>A product that performs the general WITSML Server interfaces:<br>6b [_X_] 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 |
| | [_DR_] Log & WellLog |
| | [_DR_] Trajectory & Traj. Stn. |
| | [_D_] Message |
| | [_DR_] Mud Log |
| | [_DR_] Rig |
| | [_D_] Survey Program |
| | [_D_] Target |
| | [_D_] Fluids Report |
| | [_D_] Operations Report |
| | [_D_] Risk |

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| | [_D] Formation Marker |
| | [_D__] Conventional Core |
| | [_D_] Sidewall Core |
| | [_D_] Cement Job |
| | [_D_] Tubular |
| | [_D_] BHA Run |
| | [_YES_] Other, specify: [D] Well Test Report, [D] Well Completion, [DR] Completion String, [D] Wellbore Interval, [D] batch-regReporting, [D] wellNotice |
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| **Comments**: | None. |
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| **Last Update** | January 28, 2009 by Reuben Wee |