Energistics University

Program

#	Topic	Content	
00	**Introduction and program overview**	Program overview, intended audience, overview of main segments	Intro
01	**The standards: one for all, all for one**	Standards built on a common architecture, driven by expert groups (SIGs)	
02	**Lifecycle of a standard**	The collaborative process to define, develop and finalize a new version	
03	**XML, JSON and other formats**	The choice of the right format for data exchange, now and in the future	
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05	**Overview of the Energistics data standards**	What data domain is covered by each of the three data standards	The Data Standards
06	**WITSML standard for real-time drilling**	Remote monitoring of drilling operations to reduce staff on location	
07	**WITSML standard for drilling and well data**	Drilling and well data applied to collaborative and analytical workflows	
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09	**RESQML standard for subsurface & reservoir**	Supporting multi-vendor, multi-platform projects and workflows for geoscience and engineering	
10	**RESQML standard for evergreen archiving**	Managing multiple versions of reservoirs over the life-of-field cycle	
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12	**PRODML standard for production**	Facilitating the aggregation and sharing of production results and tests	
13	**PRODML standard for DAS**	Managing petabyte-sized fiber optic sensing measurements	
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15	**Data transfer overview**	The challenges of moving data in the upstream industry's diverse IT ecosystems	Transfer & Packaging
16	**ETP for real-time data streaming**	Streaming data from an instrument (e.g. LWD) to a viewer / recorder application	
17	**ETP for application interoperability**	File-free data movements and automated sharing of new data	
18	**EPC to package very large data**	Conventions to create, store, move and read large and complex datasets	
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20	**Common Technical standards**	An overview of standards applicable to all Energistics data schemas	Common Technical Standards
21	**The Energy Industry Profile - EIP**	Codifying the "data about data" for upstream energy	
22	**Quality Assurance**	Build trust in data by capturing data assurance processes and attaching their outcome to the data	
23	**Units of Measure**	A single place to define all UoMs for upstream energy	
24	**PWLS**	Making sense of thousands of common labels for data types related to borehole measurements	
25	**Develop software using standards**	Tools, resources and examples to build applications using Energistics standards	Development & third-party standards
26	**Energistics standards in OSDU platform**	Data schemas, data loaders and APIs	
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28	**Deploying Standards in your organization**	Charting a course to adopt data exchange standards and reap the benefits	
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