NDR Update – February 2023

Good morning,

We're pleased to announce the deployment of our latest iteration of the NDR User Interface, v20230203_15.

This update brings:

Support for managing Log Images in TIFF format
Associated updates to the "Form and Manner" document

Please read on for further details.

Best Regards,

Andy

Support for managing Log Images in TIFF format

For many years it was standard practice for graphical images of log files to be created in Tag Image File Format, or 'TIFF'. Indeed, historically, reporting guidance included TIFF as a compliant format for the reporting of graphical images of log data.

While at this time TIFF is not defined as a compliant reporting format for modern data, licensees have advised that, for older wellbores, many log image files in TIFF remain unreported.

The NDR has quality control embedded in data reporting functionality. It has not been possible for licensees to upload TIFF documents since the current service was launched in 2021. By design the upload workflows exclude files that are saved to non-compliant formats. For instance, reports are required to be reported as PDF files, and not as Word documents – **Example_Document.pdf** can be loaded, **Example_Document.doc** cannot.

It is in everyone's interest that as yet unreported information is uploaded to the NDR, so reporting obligations can be fulfilled and information can be published to those who can make use of it.

Thanks to the feedback from several licensees during User Acceptance Testing, and a few iterations to the build by our developers, we're pleased to advise that with the deployment of

v20230203_15, authorised users in data reporting organisations can report graphical log images in TIFF.

Such files may be reported for wellbores that have a regulatory completion date before 2018. That extends to the vast majority of UKCS wellbores (about 97%), drilled between 1965 and 2017. TIFF files cannot be loaded to wells that were completed from January 2018 onwards.

Log Image information types are described and classified in the NDR like this:

C Tag	Description
LOG_BIO	Biostratigraphical data log
LOG_COMP	Composite log, final well log
LOG_CORE	Core description log, core gamma log
LOG_CPI	Computer processed interpretation log
LOG_DIP	Dipmeter, imaging log
LOG_CASE	Casing and tubing log
LOG_LITH	Lithological log
LOG_MUD	Mud log, FEL, PEL
C Tag	**Description**
LOG_MWD	Measurement and/or logging while drilling
LOG_SEIS	Borehole seismic display
LOG_ABANDON	Abandonment logs, cement evaluation
LOG_VEL	Velocity log, seismic calibration log
LOG_WIRE	Wireline logs
LOG_TEST	Test log data
LOG_SUM	Summary charts

Quality parameters – one purpose of uploading information to the NDR is to make it available for reuse – accordingly we have applied controls to quality assure reported information, including minimum bit depth, maximum dimensions, and resolution limits. For details, please refer to the NDR 'Form and Manner' document (update below).

Images recorded at 1 bit will not be loadable. Such scanned black and white images may have quality issues that could make them difficult to condition into a machine-readable or otherwise more useful state.

We need to gauge whether upholding this standard is effective, so please do let us know how you get on with reporting log images in TIFF.

Editing files in TIFF format

Metadata for TIFF formatted Log Images can be edited by a user with the Company Data Manager role, within the relevant Data Reporting Group.

Editable metadata includes Classification tags, description, log run dates and depths etc. as is the case for other supported file formats.

Updated "Form and Manner" document

A revised document that describes the formatting requirements of reportable information has been published on the NSTA website to compliment the new functionality outlined above.

https://www.nstauthority.co.uk/media/8781/information-reporting-form-and-manner-for-ndr-february-2023-1.pdf

Changes to reflect the introduction of support for TIFF images includes details of quality parameters and the Classification Tags that can be applied to TIFFs for pre-2018 wellbores.

The second significant change from the November 2022 version is the rearrangement of **Table 15: Geophysical data classification tags**; the table has been rearranged to reflect the stages of acquisition and processing of a survey and its data. This reflects changes to the seismic Inventory and Data Request UIs that were deployed in December 2022.

All material changes have been outlined in the Version Amendments section towards the end of the document.

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North Sea Transition Authority