

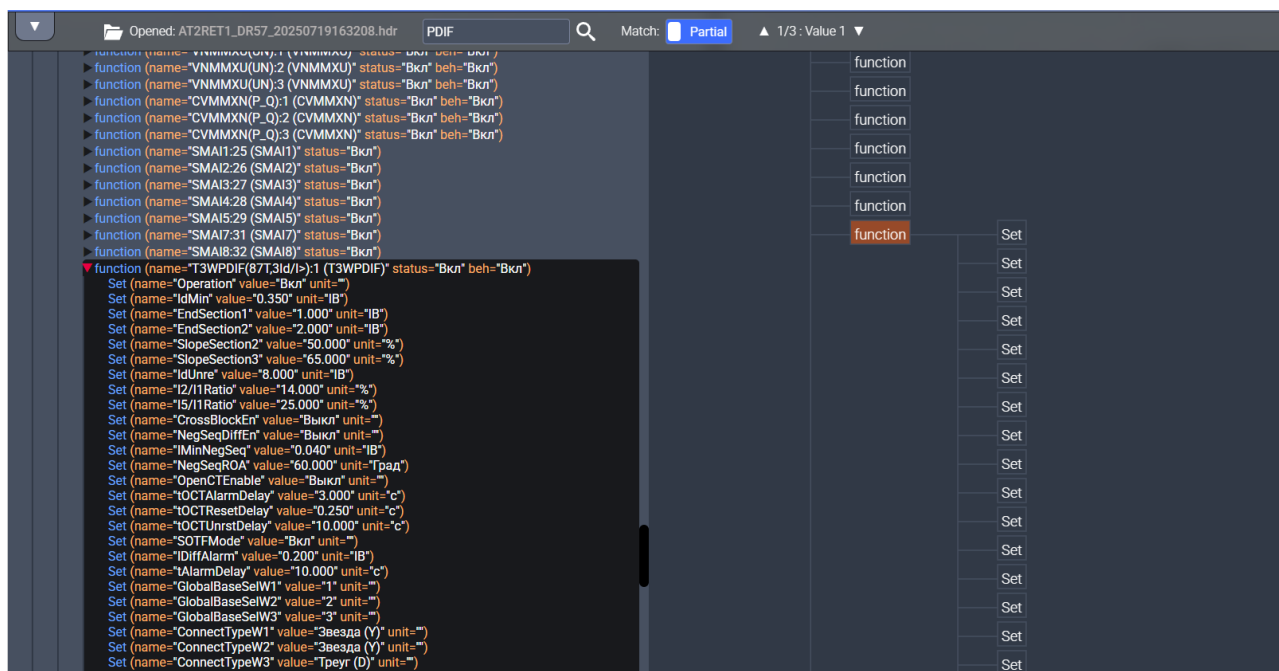
READER

Reader

Reader page is used for additional information can be found in the event file. Some relays has XML data in HDR file (section), also relay settings from CEV files are also shown here. As it work with XML data any IEC 61850 SCL files can be viewed in it. Now to work with such information there is simple search engine. To view file just drop HDR file in the drop-zone (is case of the CFF or CEV file all additional information loaded in Reader automatically).

The **Reader** page is used to view additional information contained in the event file. Some relays store XML data in the HDR file (section). Since the Reader works with XML data, any IEC 61850 SCL file can be viewed as well. A simple search engine is provided to help navigate this information. To view information, simply drop the HDR file into the drop zone (in the case of a CFF or CEV file, all additional information and settings is loaded into the **Reader** automatically).

In the example below, an HDR file from a RET670 relay is loaded, and the results of the keyword "PDIF" search are shown.



The screenshot displays the RelayHelper Reader interface. The top bar shows the loaded file: "Opened: AT2RET1_DR57_20250719163208.hdr". The search bar contains the keyword "PDIF". The search results are displayed in a table with two columns: "function" and "Set". The "function" column lists various XML elements, including "function (name='VNMXXU(UN):2 (VNMXXU)' status='Bkn' beh='Bkn')", "function (name='VNMXXU(UN):3 (VNMXXU)' status='Bkn' beh='Bkn')", "function (name='CVMMXXN(P,Q):1 (CVMMXXN)' status='Bkn' beh='Bkn')", "function (name='CVMMXXN(P,Q):2 (CVMMXXN)' status='Bkn' beh='Bkn')", "function (name='CVMMXXN(P,Q):3 (CVMMXXN)' status='Bkn' beh='Bkn')", "function (name='SMAI1:25 (SMAI1)' status='Bkn')", "function (name='SMAI2:26 (SMAI2)' status='Bkn')", "function (name='SMAI3:27 (SMAI3)' status='Bkn')", "function (name='SMAI4:28 (SMAI4)' status='Bkn')", "function (name='SMAI5:29 (SMAI5)' status='Bkn')", "function (name='SMAI7:31 (SMAI7)' status='Bkn')", "function (name='SMAI8:32 (SMAI8)' status='Bkn')", and "function (name='T3WPDIF(87T,3ld/lb):1 (T3WPDIF)' status='Bkn' beh='Bkn')". The "Set" column lists various XML elements, including "Set (name='Operation' value='Bkn' unit=')', "Set (name='IdMin' value='0.350' unit='IB')", "Set (name='EndSection1' value='1.000' unit='IB')", "Set (name='EndSection2' value='2.000' unit='IB')", "Set (name='SlopeSection2' value='50.000' unit='%')", "Set (name='SlopeSection3' value='65.000' unit='%')", "Set (name='IdUnrg' value='8.000' unit='IB')", "Set (name='I2/I1Ratio' value='14.000' unit='%')", "Set (name='I5/I1Ratio' value='25.000' unit='%')", "Set (name='CrossBlockEn' value='Bkn' unit=')', "Set (name='NegSeqDiffEn' value='Bkn' unit=')', "Set (name='IminNegSeq' value='0.040' unit='IB')", "Set (name='NegSeqROA' value='60.000' unit='Трад')", "Set (name='OpenCTEnable' value='Bkn' unit=')', "Set (name='tOCTAlarmDelay' value='3.000' unit='c')", "Set (name='tOCTResetDelay' value='0.250' unit='c')", "Set (name='tOCTUnrstDelay' value='10.000' unit='c')", "Set (name='SOTFMode' value='Bkn' unit=')', "Set (name='tDiffAlarm' value='0.200' unit='IB')", "Set (name='tAlarmDelay' value='10.000' unit='c')", "Set (name='GlobalBaseSelW1' value='1' unit=')', "Set (name='GlobalBaseSelW2' value='2' unit=')', "Set (name='GlobalBaseSelW3' value='3' unit=')', "Set (name='ConnectTypeW1' value='Звезда (Y)' unit=')', "Set (name='ConnectTypeW2' value='Звезда (Y)' unit=')', "Set (name='ConnectTypeW3' value='Треугольник (D)' unit=')', and "Set (name='ClockAlarmedW2' value='0.0' unit='c')".