

### 6.3.3.12 Wind power state log information (WSLG)

This logical node shall comprise the data classes that represent all logged historical values of state **DATA**. This logical node class shall be defined as shown in Table 19.

**Table 19 – LN: Wind power state log information (WSLG)**

<b>WSLG class</b>			
<b>Attribute Name</b>	<b>Attr. Type</b>	<b>Explanation</b>	<b>M/O</b>
LNNName		Shall be inherited from Logical-Node Class (see IEC 61850-7-2)	T
<b>Data</b>			
<b>General Information</b>			
		LN shall inherit all Mandatory Data from Common Logical Node Class	M
<b>Data Sets</b> as defined in Table 44			
TurCmLg TurStLg HiUrgAl LoUrgAl			
<b>LOGs</b> as defined in Table 44			
TurCmLg TurStLg HiUrgAl LoUrgAl			
<b>Log Control Blocks</b> as defined in Table 44			
TurCmLg TurStLg HiUrgAl LoUrgAl			

### 6.3.3.13 Wind power analogue log information (WALG)

This logical node shall comprise the data classes that represent all logged historical values of analogue **DATA**. This logical node class shall be defined as shown in Table 20.

**Table 20 – LN: Wind power plant analogue log information (WALG)**

<b>WALG class</b>			
<b>Attribute Name</b>	<b>Attr. Type</b>	<b>Explanation</b>	<b>M/O</b>
LNNName		Shall be inherited from Logical-Node Class (see IEC 61850-7-2)	T
<b>Data</b>			
<b>General Information</b>			
		LN shall inherit all Mandatory Data from Common Logical Node Class	M
<b>Data Sets</b> as defined in Table 39			
TurAnLg TurPhLg HiAcsSp LoAcsSp TrgEmgStp TrgProdGd			
<b>LOGs</b> as defined in Table 39			

<b>WALG class</b>			
<b>Attribute Name</b>	<b>Attr. Type</b>	<b>Explanation</b>	<b>M/O</b>
			T
TurAnLg TurPhLg HiAcsSp LoAcsSp TrgEmgStp TrgProdGd			
<b>Log Control Blocks as defined in Table 39</b>			
TurAnLg TurPhLg HiAcsSp LoAcsSp TrgEmgStp TrgProdGd			

### 6.3.3.14 Wind power report information (WREP)

#### 6.3.3.14.1 General

This logical node shall comprise the **DATA** that represent periodical stored information containing statistical values of analogue **DATA**, counted events and timed duration of states. This logical node shall be mandatory and at least all mandatory defined data classes shall be available for compliance with this standard:

- monthly and yearly timed availability time;
- monthly and yearly stored total energy yield.

The data sets representing these **DATA** shall be as shown in Table 21.

**Table 21 – LN: Wind power report information (WREP)**

<b>WREP class</b>			
<b>Attribute Name</b>	<b>Attr. Type</b>	<b>Explanation</b>	<b>M/O</b>
			T
LNNName		Shall be inherited from Logical-Node Class (see IEC 61850-7-2)	
<b>Data</b>			
<b>General Information</b>			
		LN shall inherit all Mandatory Data from Common Logical Node Class	M
<b>Data Sets as defined in Table 22</b>			
TurRepCh TurRepTm TurRepCt			

[Editor's Note 3 – The term “report” in “report information” is not a “report message” (spontaneous message). May need another term here.]

**Table 22 – Wind power report information DATA-SETs**

DATA-SET	Semantic
TurRepCh	Turbine report analogue characteristics
	DATA-ATTRIBUTES of the following CDCs shall be logged: - AdBV - AavgV - ArmsV
TurRepTm	Turbine report time durations
	DATA-ATTRIBUTES of the following CDC shall be logged: - TMS
TurRepCt	Turbine report event counts
	DATA-ATTRIBUTES of the following CDC shall be logged: - CTE

**6.3.3.14.2 Analogue characteristics DATA-SET TurRepCh**

The **DATA-ATTRIBUTE** values that shall be specified by the **DATA-SET** TurRepCh are defined in Table 23.

**Table 23 – DATA-SET for analogue characteristics TurRepCh**

DATA-SET Name	DATA-ATTRIBUTES referenced
TurRepCh	all DATA instances derived from <b>AdbV (AavgV, ArmsV)</b> of all logical nodes of a logical device:  hlyMax dlyMax mlyMax ylyMax hlyAvg dlyAvg mlyAvg ylyAvg

**6.3.3.14.3 Time duration DATA-SET TurRepTm**

The **DATA-ATTRIBUTE** values that shall be specified by the **DATA-SET** TurRepTm are defined in Table 24.

**Table 24 – DATA-SET for analogue characteristics TurRepTm**

DATA-SET Name	DATA-ATTRIBUTES referenced
TurRepCt	all DATA instances derived from <b>TMS</b> of all logical nodes of a logical device:  dly mly yly tot

**6.3.3.14.4 Event count DATA-SET TurRepCt**

The **DATA-ATTRIBUTE** values that shall be specified by the **DATA-SET** TurRepCt are defined in Table 24.

**Table 25 – DATA-SET for analogue characteristics TurRepCt**

<b>DATA-SET Name</b>	<b>DATA-ATTRIBUTES referenced</b>
TurRepCh	all DATA instances derived from <b>CTE</b> of all logical nodes of a logical device: dly mly yly tot

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