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**OPC unified architecture –
Part 13: Aggregates**

**Architecture unifiée OPC –
Partie 13: Agrégats**



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**OPC unified architecture –
Part 13: Aggregates**

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OPC UNIFIED ARCHITECTURE –

Part 13: Aggregates

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The text of this standard is based on the following documents:

CDV	Report on voting
65E/379/CDV	65E/411/RVC

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

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OPC UNIFIED ARCHITECTURE –

Part 13: Aggregates

1 Scope

This part of IEC 62541 is part of the overall OPC Unified Architecture specification series and defines the information model associated with *Aggregates*.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC TR 62541-1, *OPC Unified Architecture – Part 1: Overview and Concepts*

IEC 62541-3, *OPC Unified Architecture – Part 3: Address Space Model*

IEC 62541-4, *OPC Unified Architecture – Part 4: Services*

IEC 62541-5, *OPC Unified Architecture – Part 5: Information Model*

IEC 62541-8, *OPC Unified Architecture – Part 8: Data Access*

IEC 62541-11, *OPC Unified Architecture – Part 11: Historical Access*

3 Terms, definitions, and abbreviations

3.1 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC TR 62541-1, IEC 62541-3, IEC 62541-4, and IEC 62541-11 as well as the following apply.

3.1.1

ProcessingInterval

timespan for which derived values are produced based on a specified *Aggregate*

Note 1 to entry: The total time domain specified for *ReadProcessed* is divided by the *ProcessingInterval*. For example, performing a 10-minute *Average* over the time range 12:00 to 12:30 would result in a set of three intervals of *ProcessingInterval* length, with each interval having a start time of 12:00, 12:10 and 12:20 respectively. The rules used to determine the interval *Bounds* are discussed in 5.4.2.2.

3.1.2

interpolated

data that is calculated from data samples

Note 1 to entry: Data samples may be historical data or buffered real time data. An *interpolated* value is calculated from the data points on either side of the requested timestamp.

3.1.3

EffectiveEndTime

time immediately before *endTime*