

F.17 Destination Order

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The `DESTINATION_ORDER` [policy](#) controls how each [subscriber](#) resolves the final value of a data [instance](#) that is written by multiple `DataWriter` objects (which may be associated with different [Publisher](#) objects) running on different nodes.

The setting `BY_RECEPTION_TIMESTAMP` indicates that, assuming the [OWNERSHIP](#) policy allows it, the latest received value for the instance should be the one whose value is kept. This is the default value.

The setting `BY_SOURCE_TIMESTAMP` indicates that, assuming the `OWNERSHIP` policy allows it, a timestamp placed at the source should be used. This is the only setting that, in the case of concurrent same-[strength](#) `DataWriter` objects updating the same instance, ensures all subscribers will end up with the same final value for the instance. The mechanism to set the source timestamp is [middleware](#) dependent.

The value offered is considered compatible with the value requested if and only if the inequality offered **kind** `>=` requested **kind** evaluates to `TRUE`. For the purposes of this inequality, the values of `DESTINATION_ORDER` **kind** are considered ordered such that `BY_RECEPTION_TIMESTAMP` `<` `BY_SOURCE_TIMESTAMP`.

Source: [DDS 1.4 Spec](#)

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