

# What is new in ASAM CEA V2.2.0

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# ASAM CEA V2.2.0

## Incompatible changes

- ItemParentChangedEvent removed, add and remove childs of items is done using new events (ItemChildAdded/ItemChildRemoved)

## Compatible changes

- New functions in all channel interfaces for a faster getting and setting of a huge number of values
- New item: UnresolvedItem (if a requested item is not yet present on the bus, will be replaced by the correct item when available)
- Make ease the using of PropertyChangedEvents, now a basic interface offers the main functions

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## Compatible changes

- Invokable of commands has a return value now e.g. to get status information
- New event kinds: due to implementation of new events (ItemChildAdded and ItemChildRemoved)

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## ASAM Deliverables:

1. CEA Specification Document Base Standard V2.2.0 + Document CEA Associated Standard (Data Item Types) V2.2.0
2. Technology Reference: Reference implementation of the interfaces (Java, dotNet ) V2.2.0
3. Sample components: importer, worker and viewer (source + sample CEA components) for Java and dotNet V2.2.0