# Erlang Front-end Framework - Feature #21414

## Add write-read atomic operation for CEC protocol

11/21/2018 10:25 AM - Dennis Nicklaus

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|---|---|---|---|---|
| **Status:** | Assigned | | **Start date:** | 11/21/2018 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | Dennis Nicklaus | | **% Done:** | 0% |
| **Category:** | UDP/CEC Driver | | **Estimated time:** | 0.00 hour |
| **Target version:** | | | | |

**Description**

The CEC protocol driver typically data pools readings from the remote instruments at a relatively slow rate (1 Hz sometimes). Brian Hendricks reports a case where a script was setting various bits at a faster rate, and the settings got confused because each setting would be made based on the reading, but the previous setting would not yet be incorporated into the (previously pooled) read back value. If we add a atomic operation which does the setting, then reads back the value and adds it to the pool, before returning from the setting, this would help this situation.

**History**

**#1 - 11/21/2018 11:56 AM - Richard Neswold**

*- Category set to UDP/CEC Driver*

Created a category for this issue.

**#2 - 04/15/2019 05:57 PM - Dennis Nicklaus**

Added read-after-write processing for CEC settings with dev-udp|47c2e02d
Doing the read is conditional on having one byte of the SSDN set to indicate it is desired.