Charm++ - Bug #1523
Verbs RDMA send fails on 0-byte sized message

04/21/2017 08:03 PM - Sam White

Status: New
Start date: 04/21/2017

Priority: Normal
Due date:

Assignee: Jaemin Choi
% Done: 0%

Category: Machine Layers
Estimated time: 0.00 hour

Target version: 6.8.1
Spent time: 0.00 hour

Description
Obviously users shouldn't use RDMA sends for 0-byte sized arrays, but we shouldn't fail on this.

When I run AMPI on this and set its RDMA message size threshold to 0, it fails in machine-onesided.h LrtsSetRdmaOpInfo() after the call to:

```c
mr = ibv_reg_mr(context->pd, (void*)ptr, size, IBV_ACCESS_REMOTE_READ |
              IBV_ACCESS_LOCAL_WRITE | IBV_ACCESS_REMOTE_WRITE);
```

History

#1 - 04/23/2017 10:22 AM - Sam White
I only see this error on Cab at LLNL, which has a QLogic Infiniband interconnect. On iForge at NCSA, which has a Mellanox infiniband interconnect, I don't see it... we've run into issues with QLogic vs Mellanox before in our verbs layer, so maybe this is another difference?

#2 - 04/25/2017 04:30 PM - Sam White
- Target version set to 6.8.1