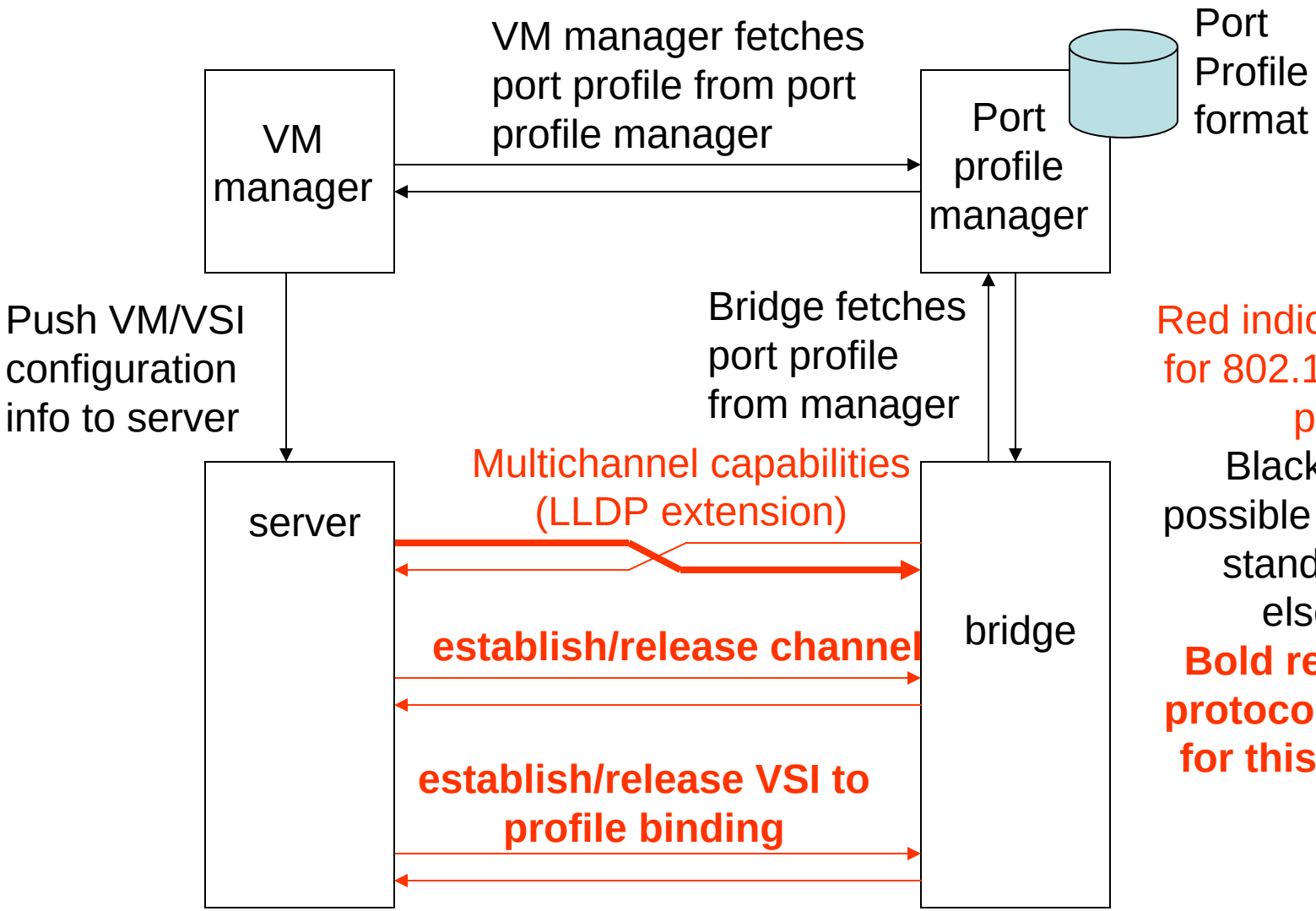
Binding Control Protocol

for discussion in Thursday joint DCB-Interworking session at January 2010 802.1 Interim meeting Austin, TX, USA

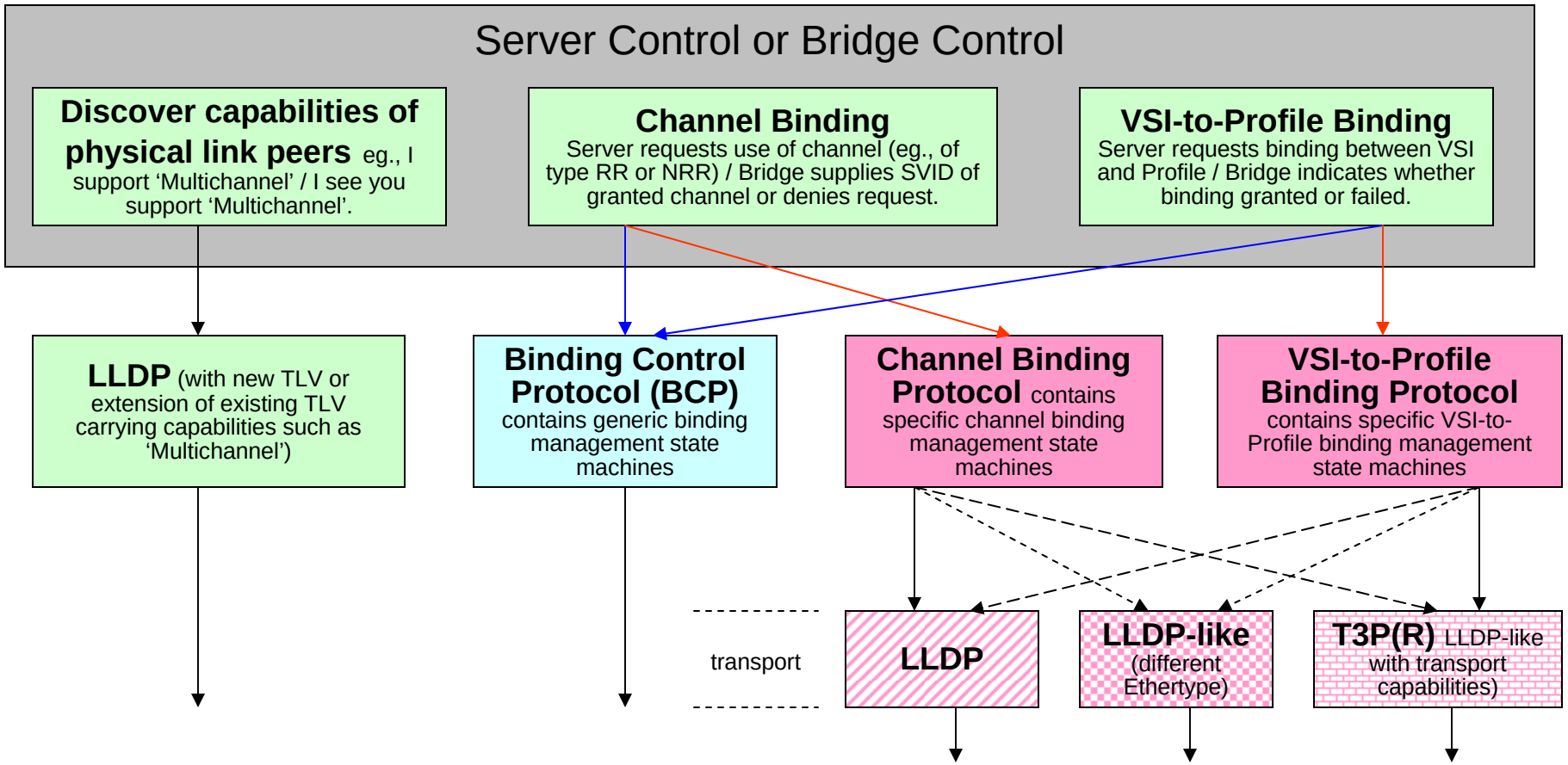
Bob Sultan (bsultan@huawei.com)

evb Protocols

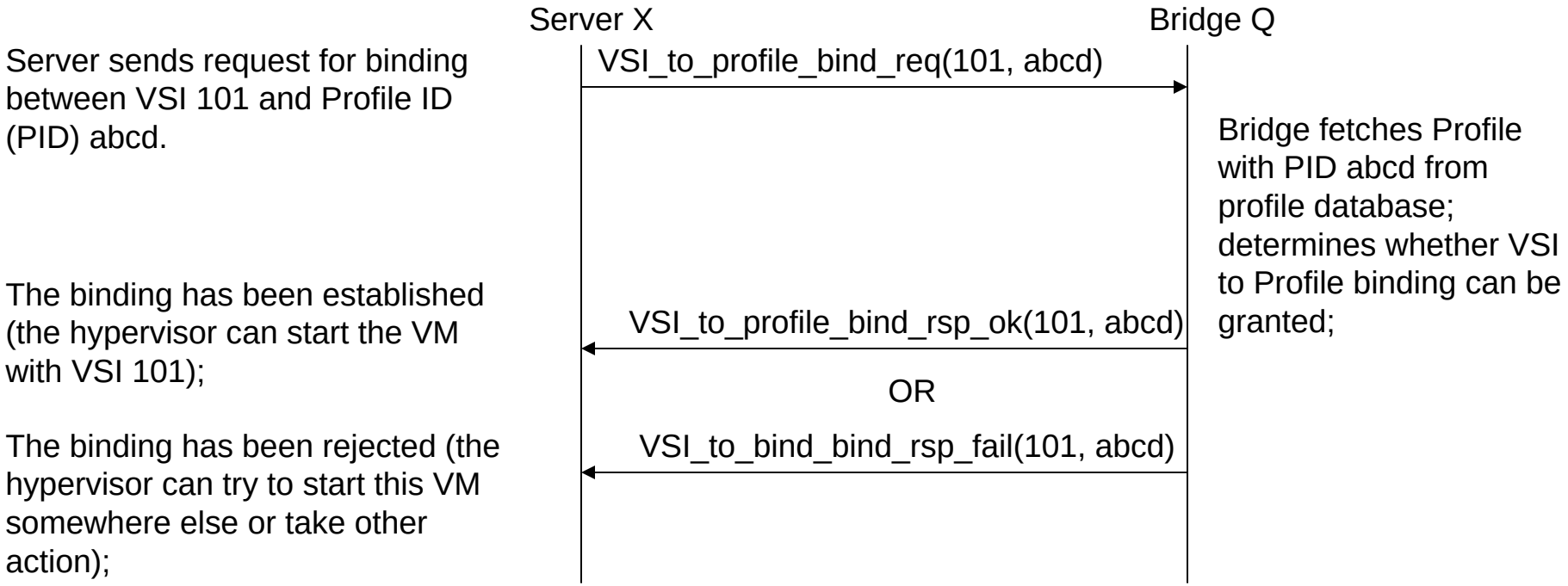


Red indicates *in scope* for 802.1 evb protocol project;
Black indicates possible candidate for standardization elsewhere.
Bold red indicates protocols of interest for this discussion

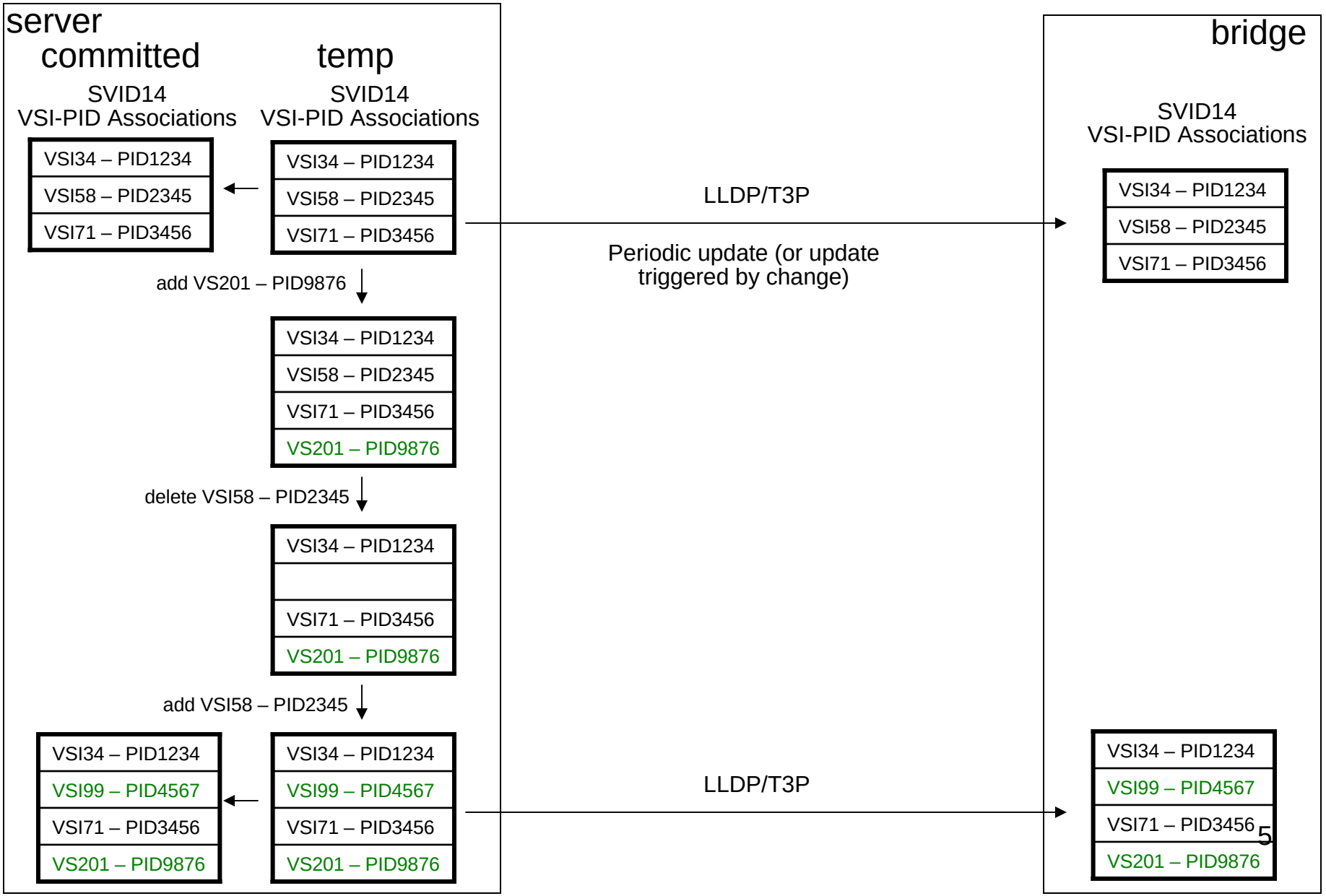
evb protocol alternatives



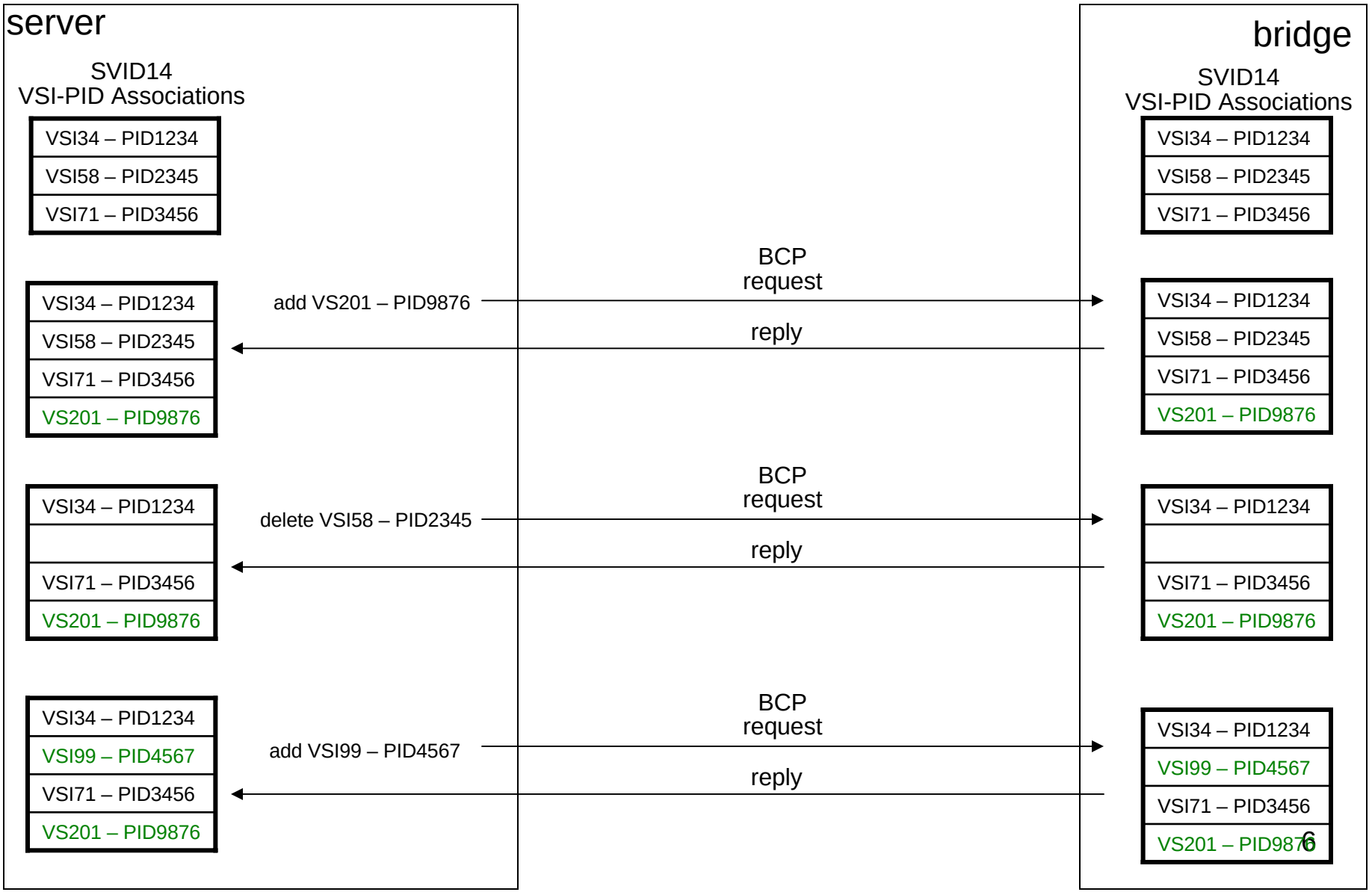
VSI bind example



LLDP/T3P Model
Transfer Entire Database when VM Moves



BCP Model
Transfer *one* database entry when VM Moves



Key points

- There are *two* types of protocols proposed for ‘channel establish/release’ and ‘VSI-to-profile binding’:
  - Protocols (LLDP, T3P) that *transfer the entire database* of VSI-to-profile associations when a VM moves;
    - Require the introduction of a new transport protocol;
  - A protocol (BCP) that transfers only the VSI-to-profile association for the VM that has moved;
- Not a *shred* of evidence has been introduced to justify the need to transfer the entire database when a VM moves;
  - The interworking group should be very concerned about the introduction of a new transport protocol;
  - Particularly when no justification has been provided;
  - and a simple request/response control protocol is adequate.