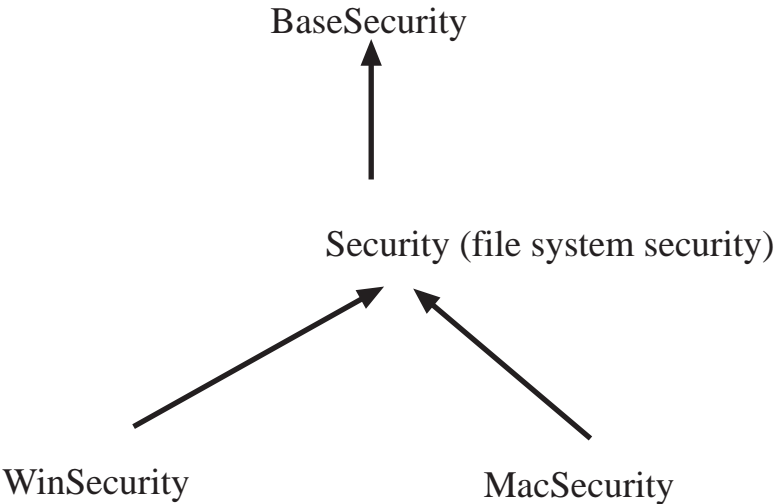
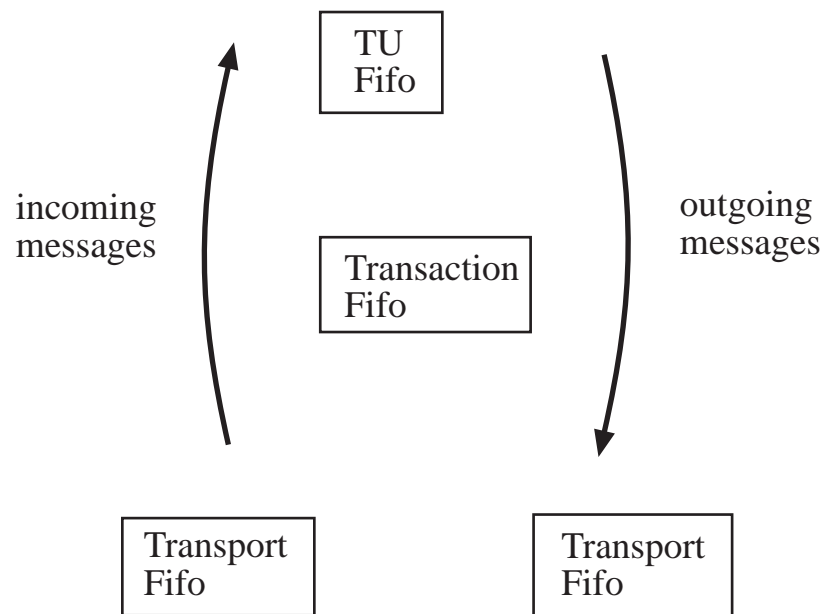


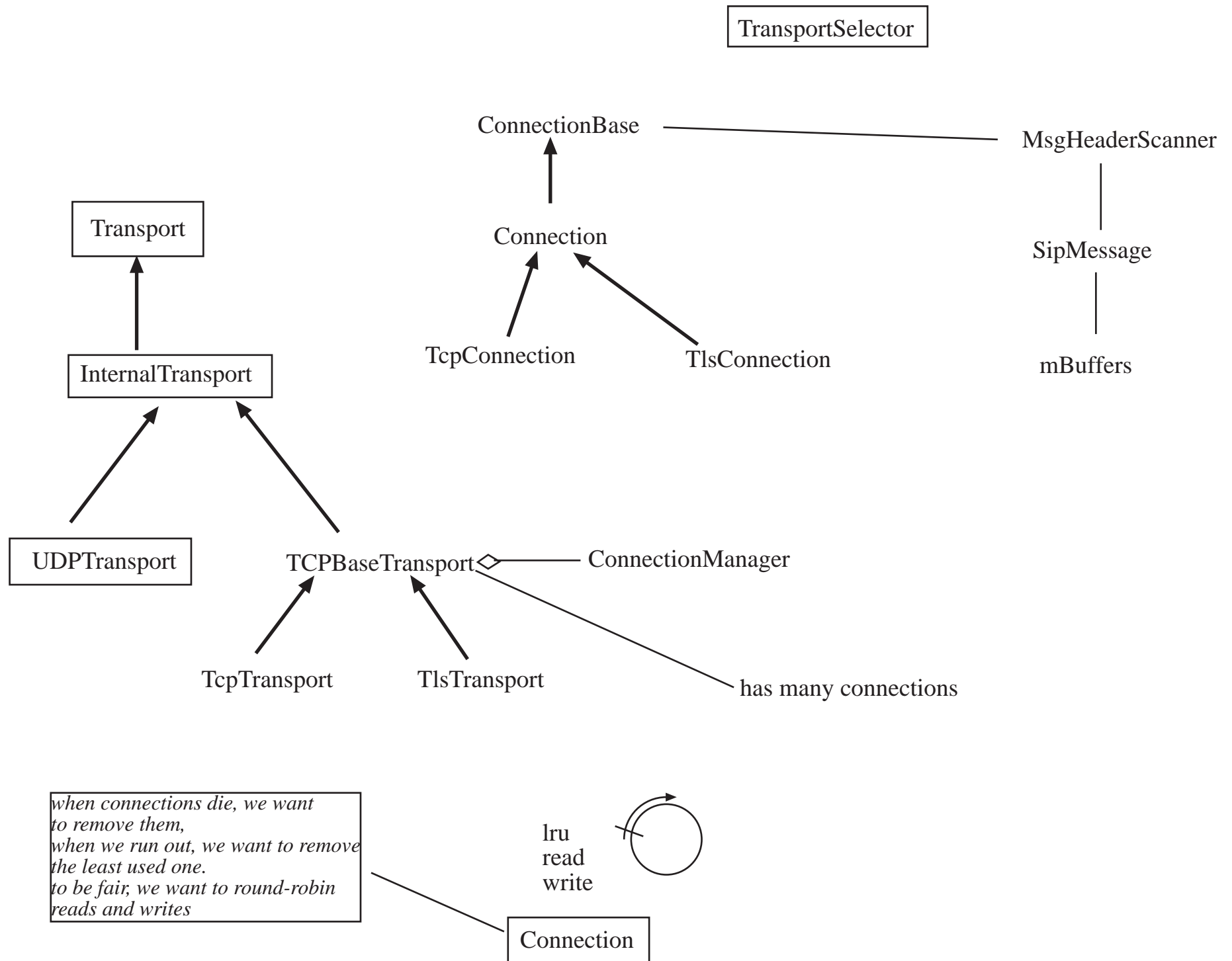
Dum
-Identity Checking
-s/mime manipulation



SipMessage
-signal
-encrypted
-Identity strength
SecurityAttributes

Fifo (often used as a way to communicate between threads)
add
getNext - it will block until things are in the Fifo,
there is also a method that will block only for so long.





TLS domain is used to bind to the specific TLS interface.

You can't receive connections for multiple domains on the same TSL connection.

Internal is all the common code for the internal transports in ReSIP (file descriptor stuff and fifo live here now. They were originally in the Transport.

Transport is the contract for TransportSelectors

ConnectionBase has all the logic for framing messages coming in for conneciton oriented protocols.

sent to
message
scanner

Invite SIP 2.0

To

From

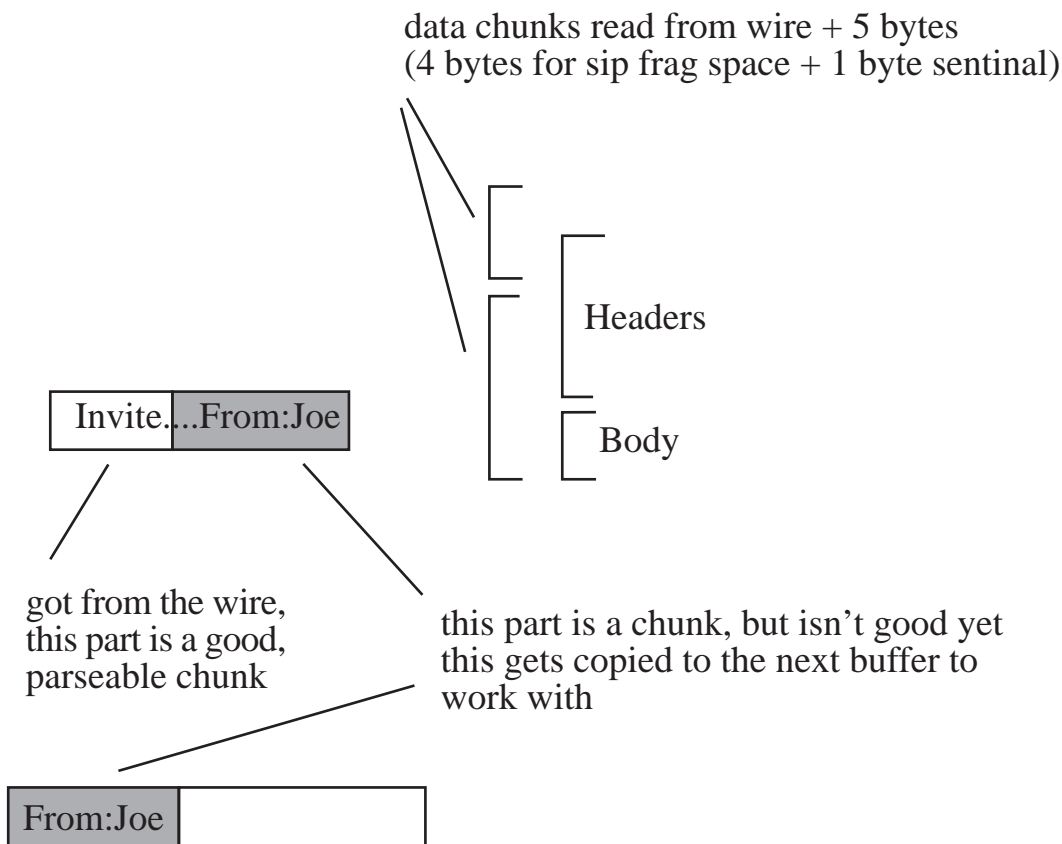
...

Contact

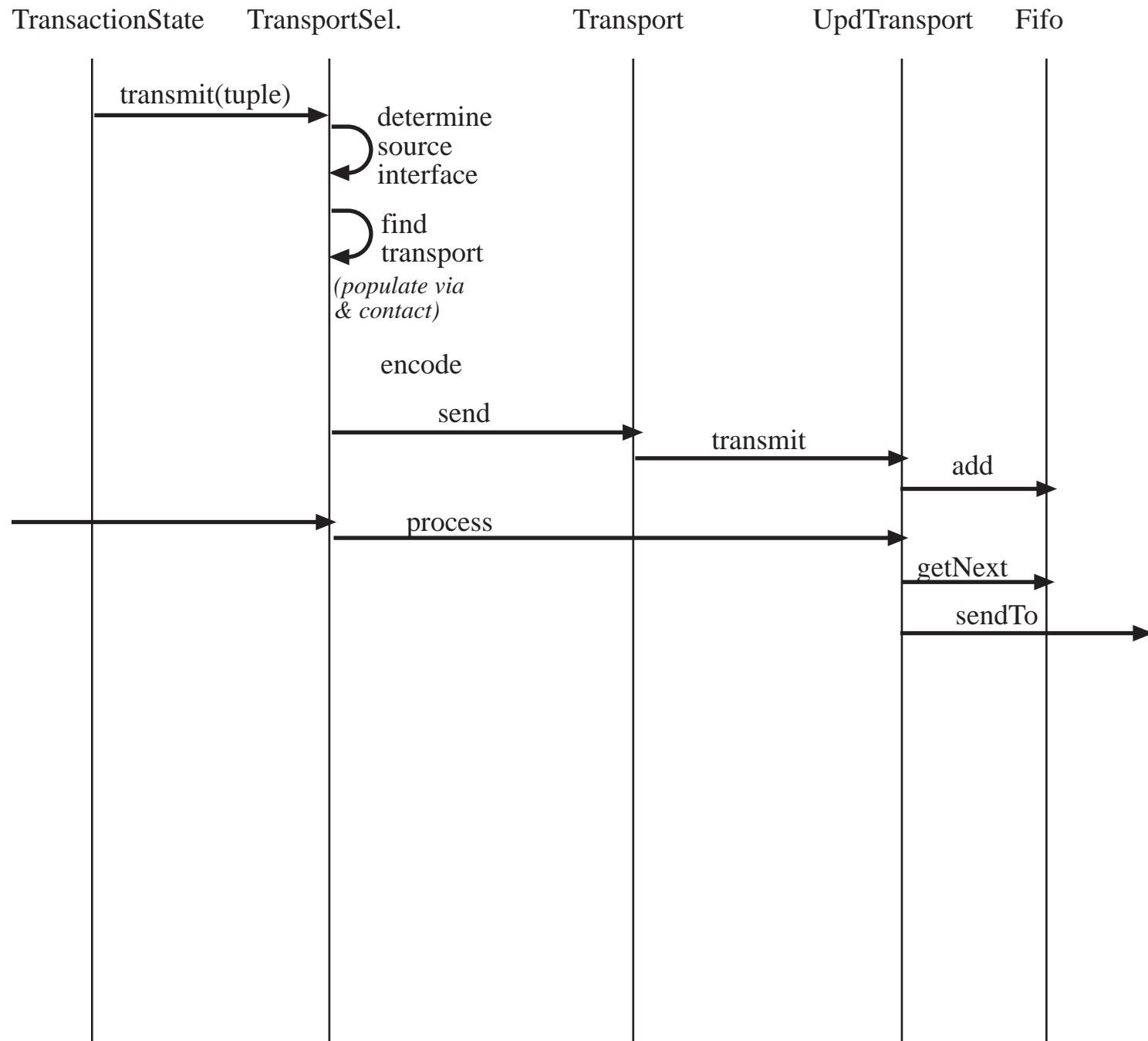
CRLF

CRLF

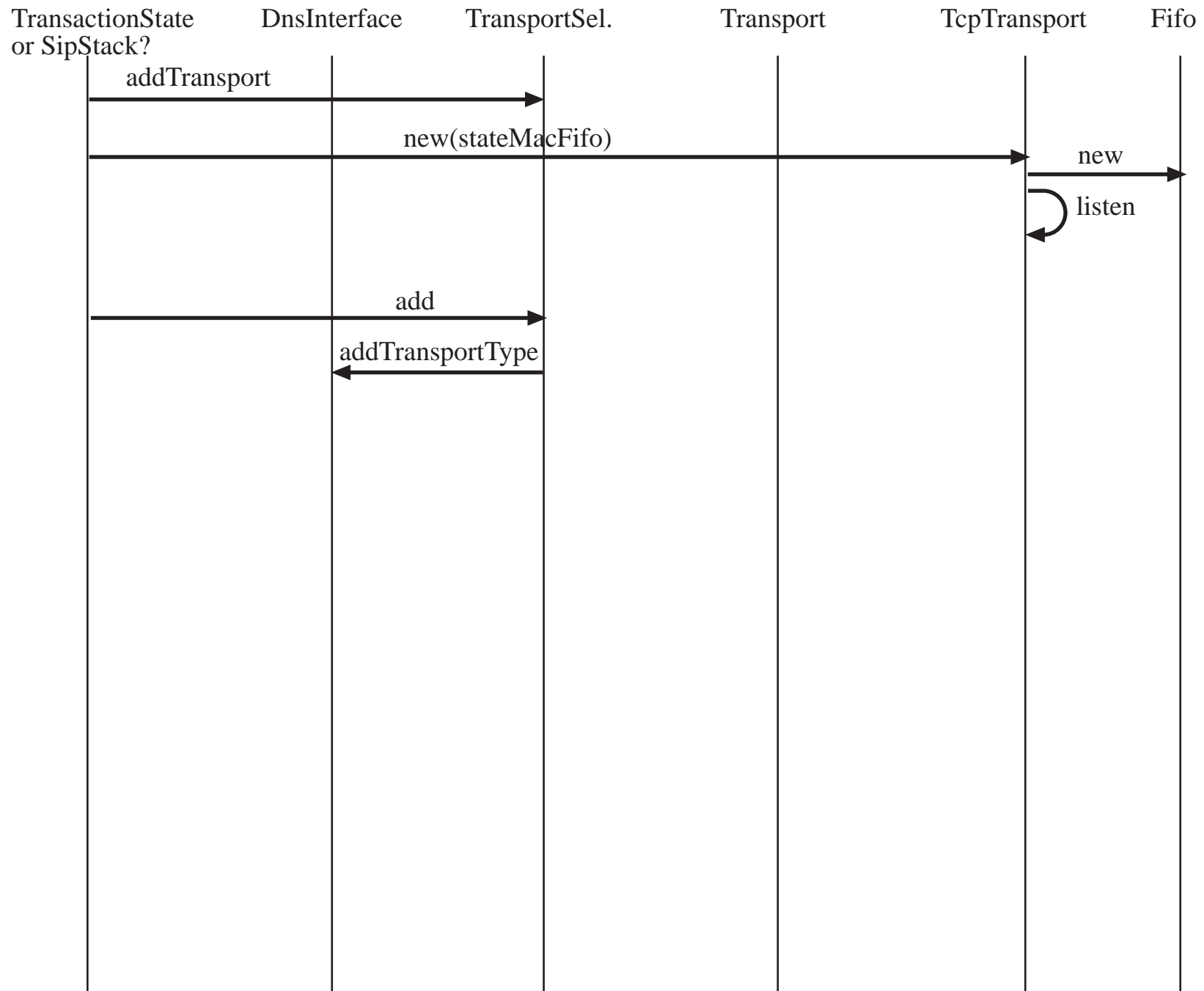
Body....



Sending datagram (we are after DNS resolution, no via hint)

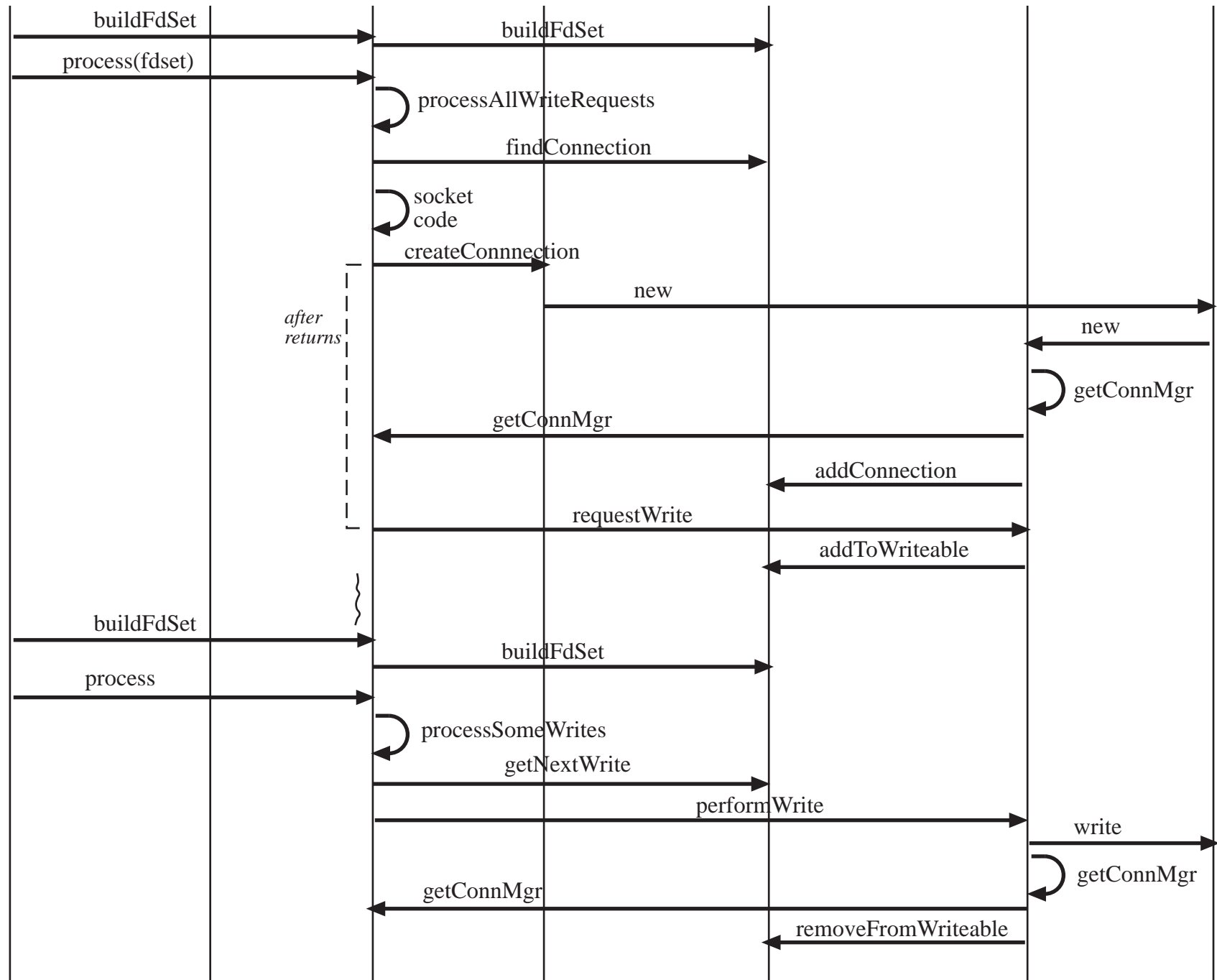


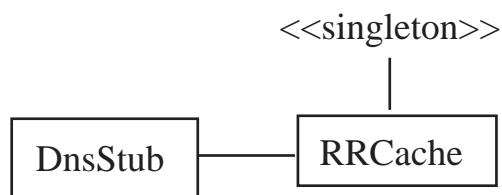
Adding a transport



Receive msg over new tcp connection

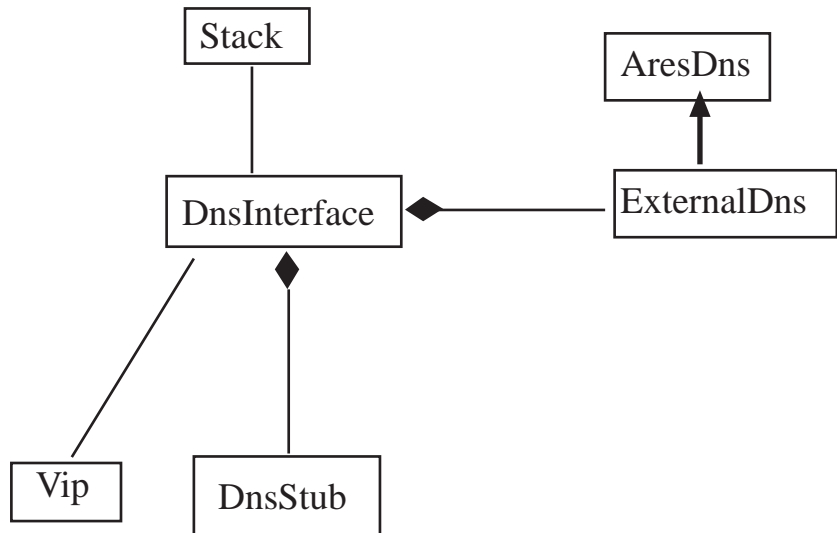
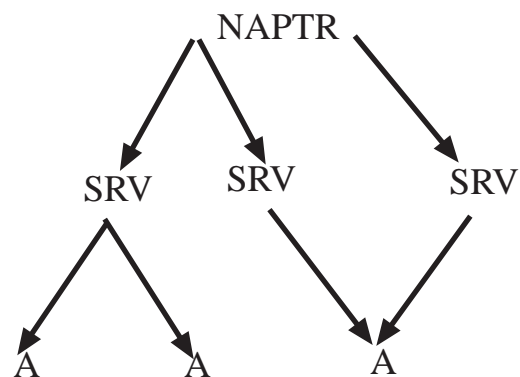
TransportSel. Transport TcpBaseTransport TcpTransport ConnectionManager Connection TcpConnection

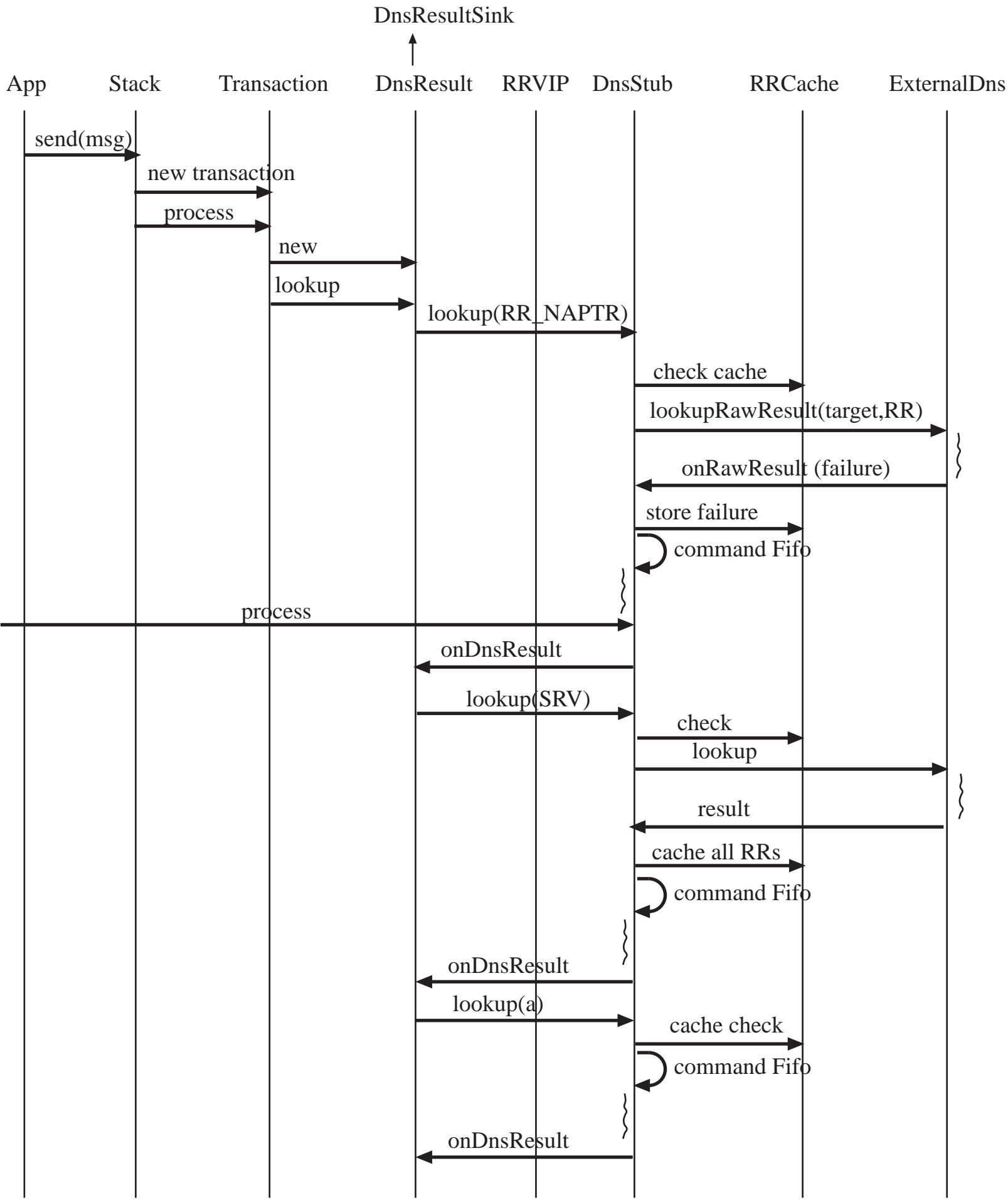




*caching
based on
ttl*

*blacklisting
interface
(the path to
the record,
not just the
record)*





Stack

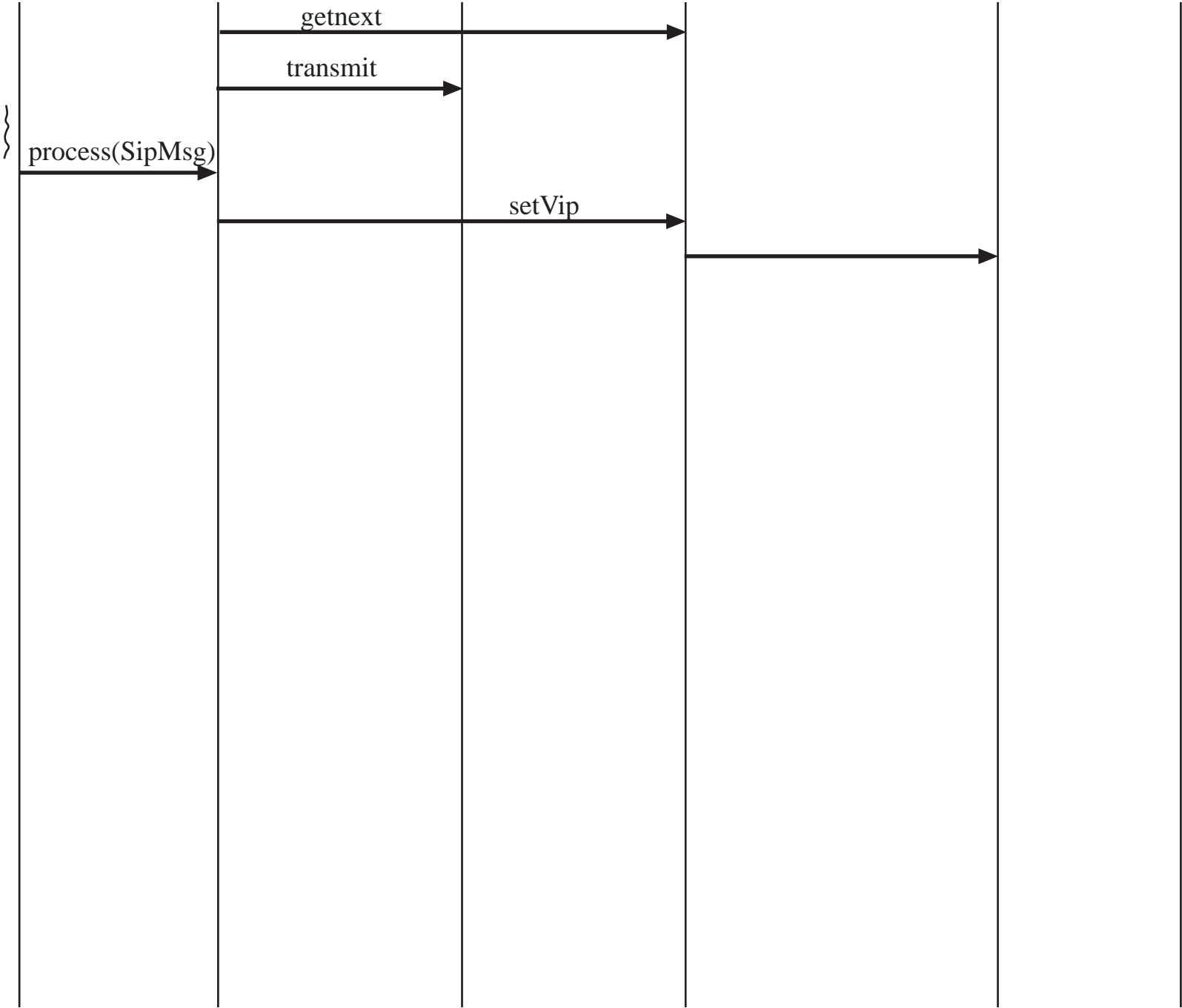
Transaction State

TransportSelector

DnsResult

RRVIP

UdpTransport

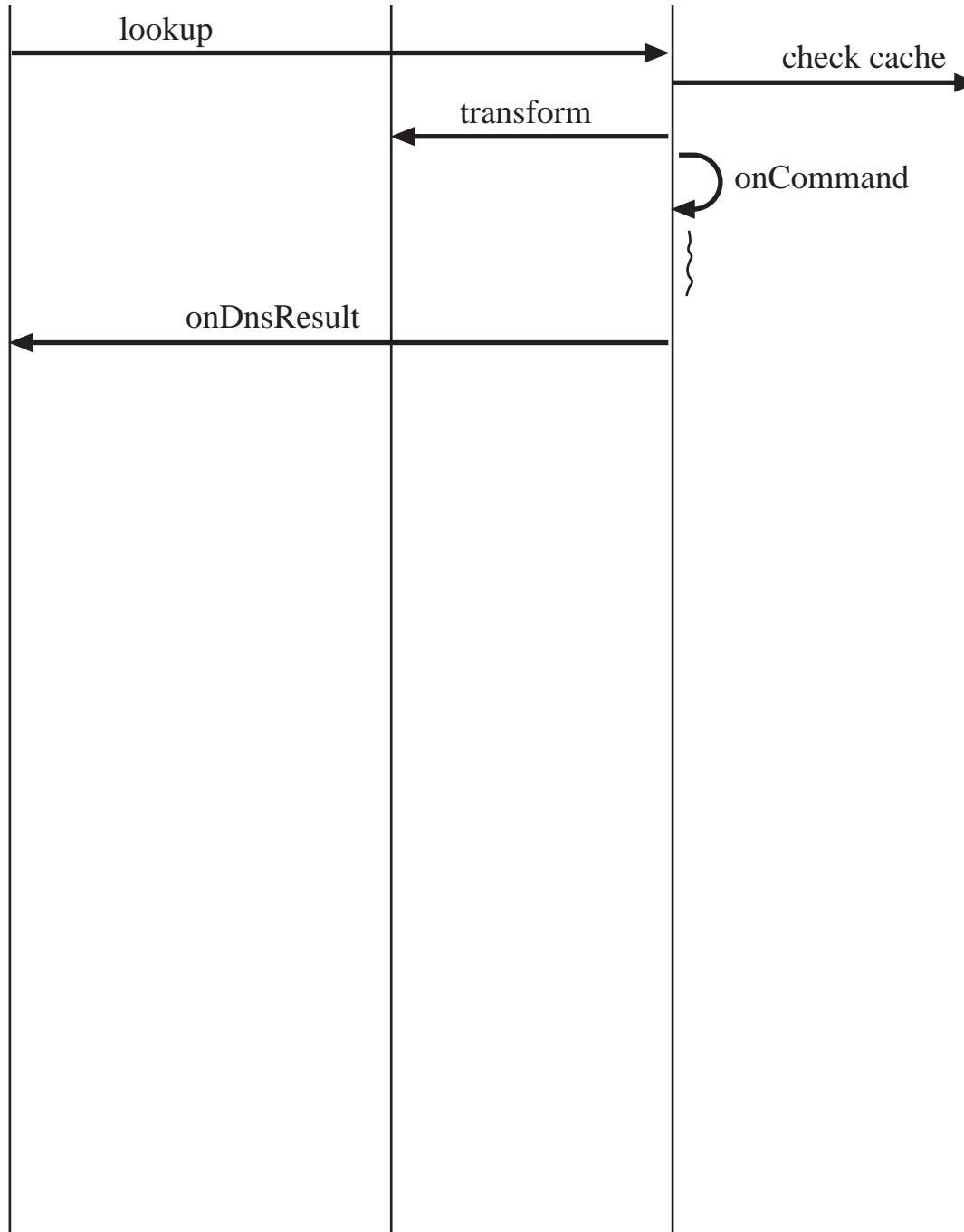


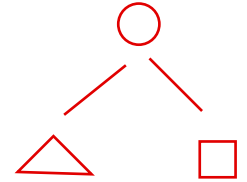
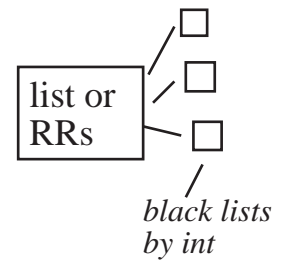
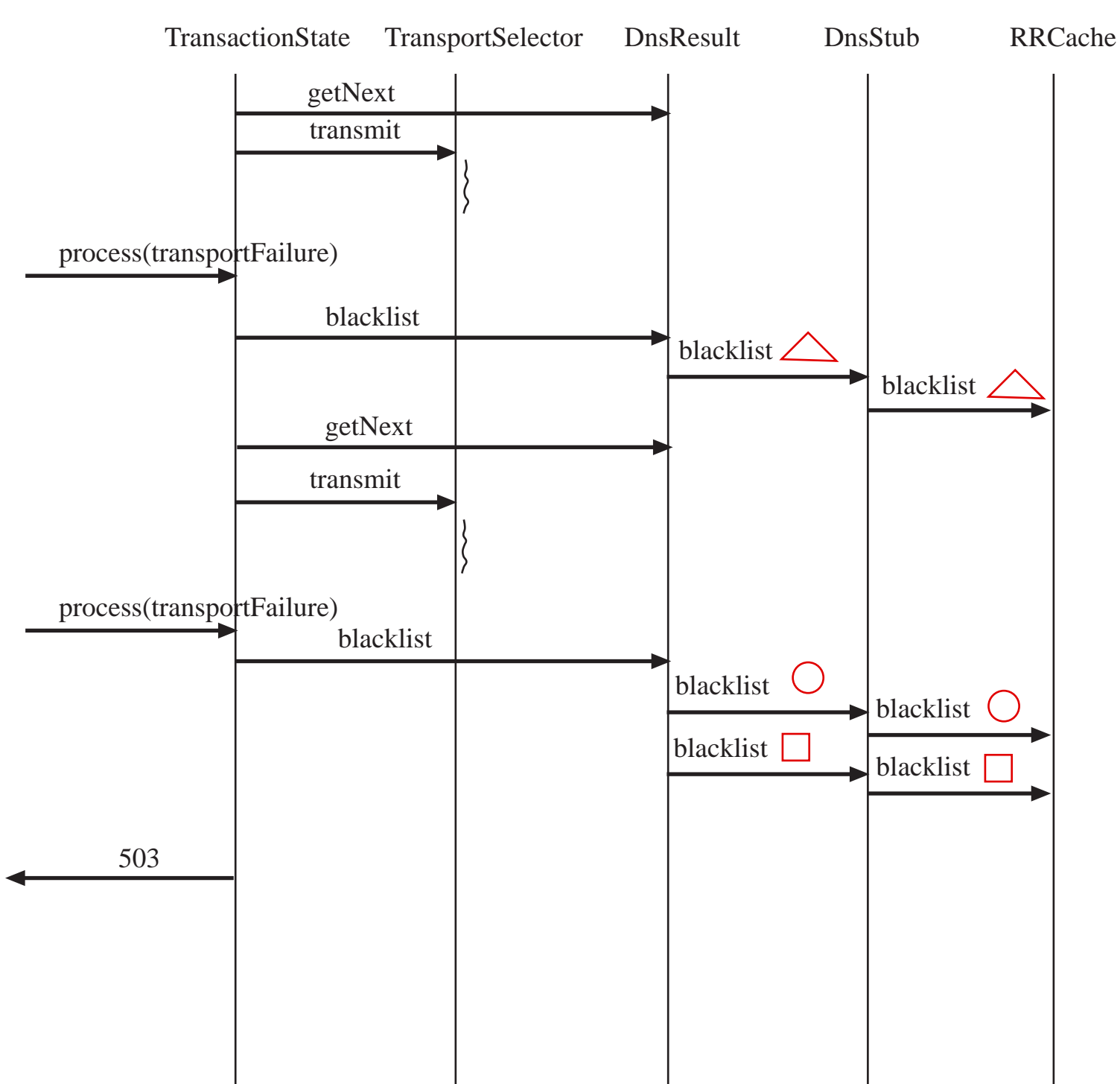
DnsResult

RRVIP

DnsStub

RRCache





SipMessage

-Content-Type
-Content-Length

ContentsFactoryMap

*Nice trick to avoid static initializer
and get early runtime init.*

Contents

SdpContents

Contents

<<singleton>>

map:mime->contentFactory — *populated after static initialization,
but before main - this line is in the
.hxx file*

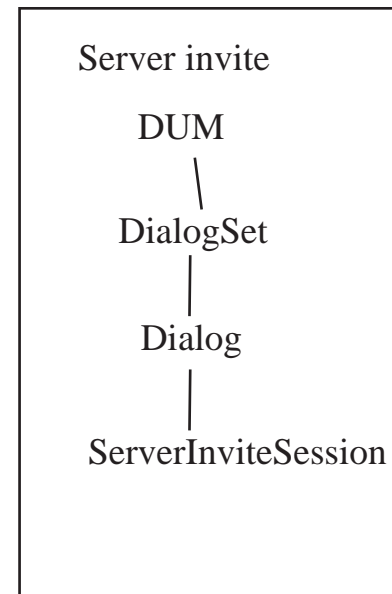
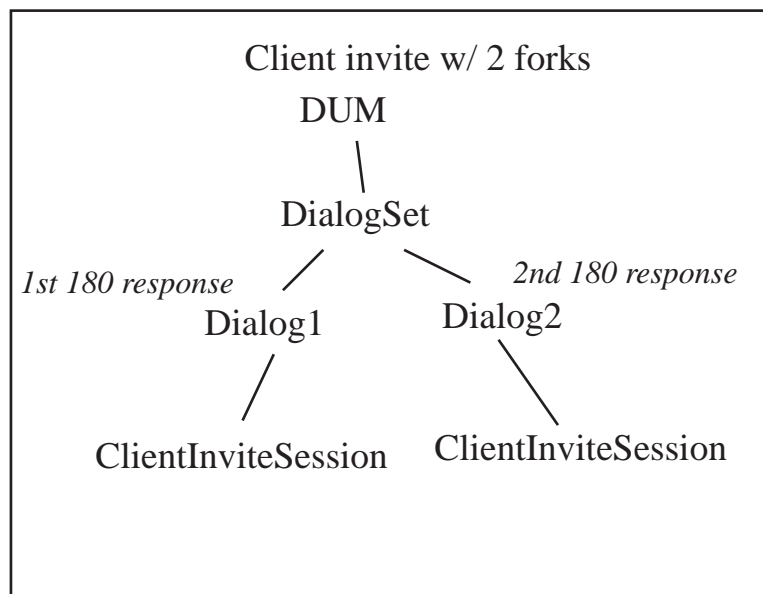
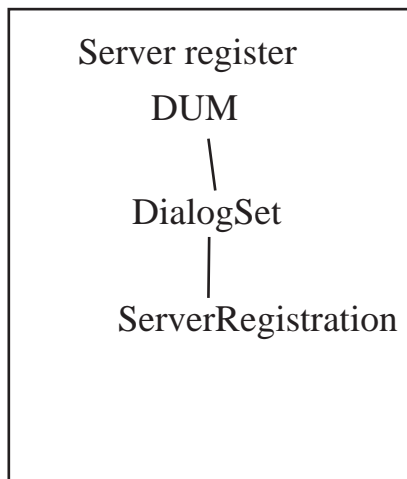
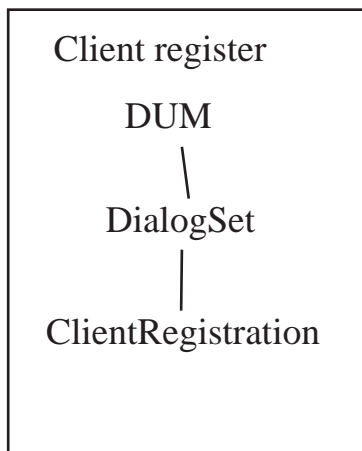
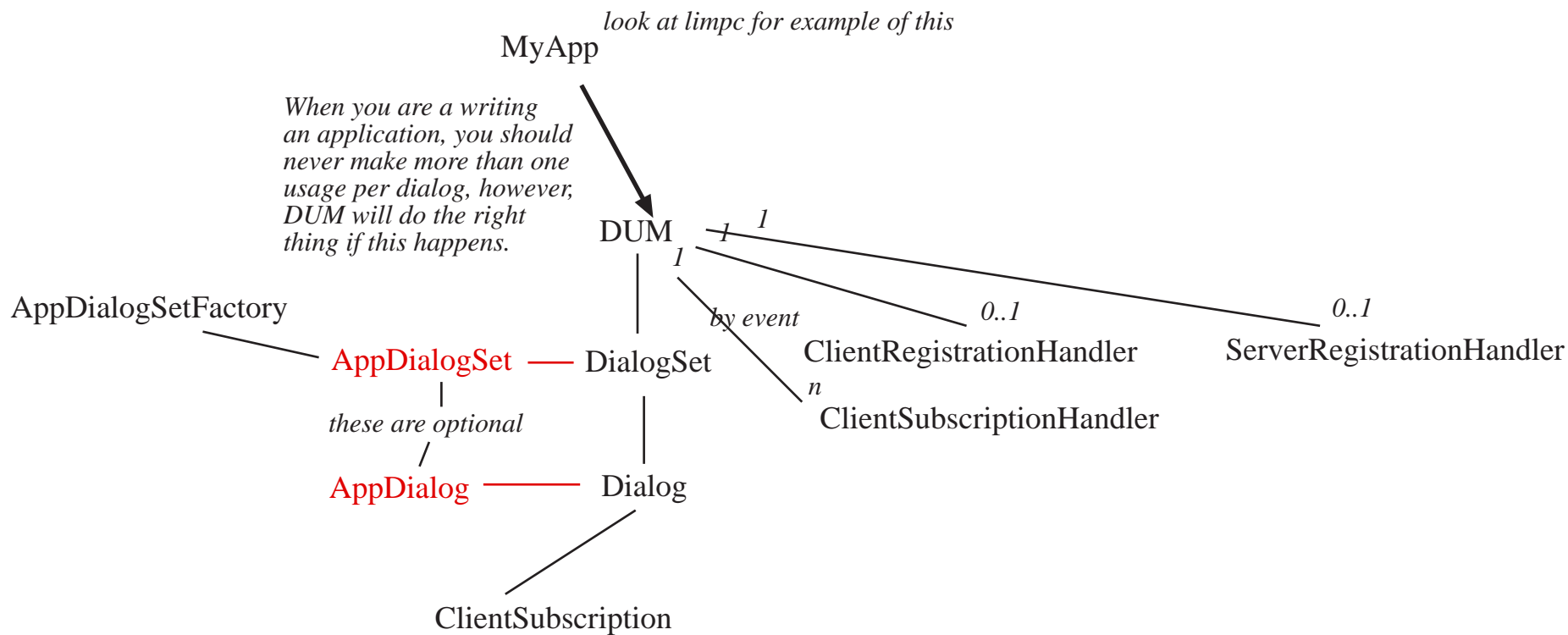
.hxx: bool var=SdpContents::init();

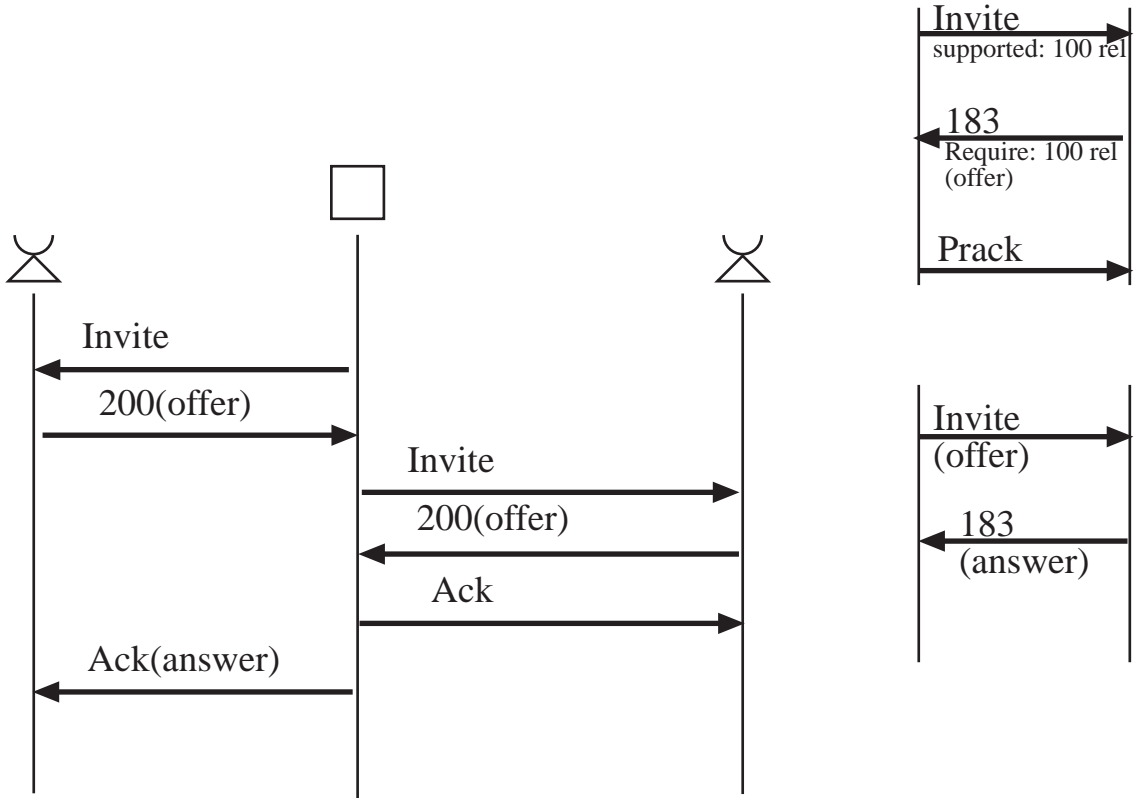
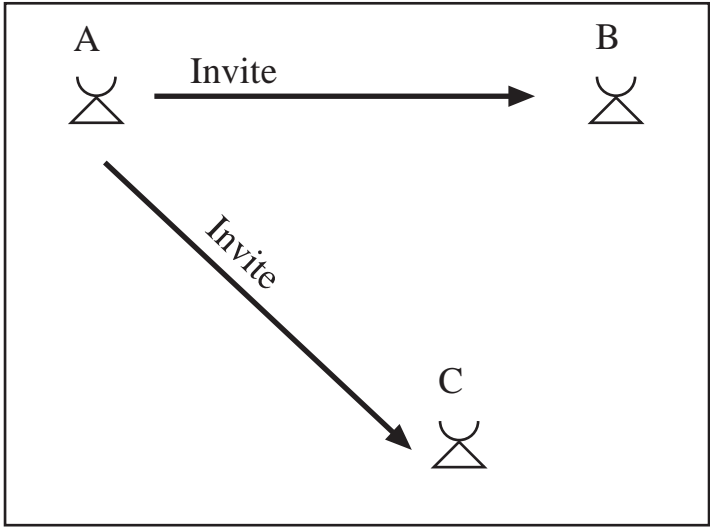
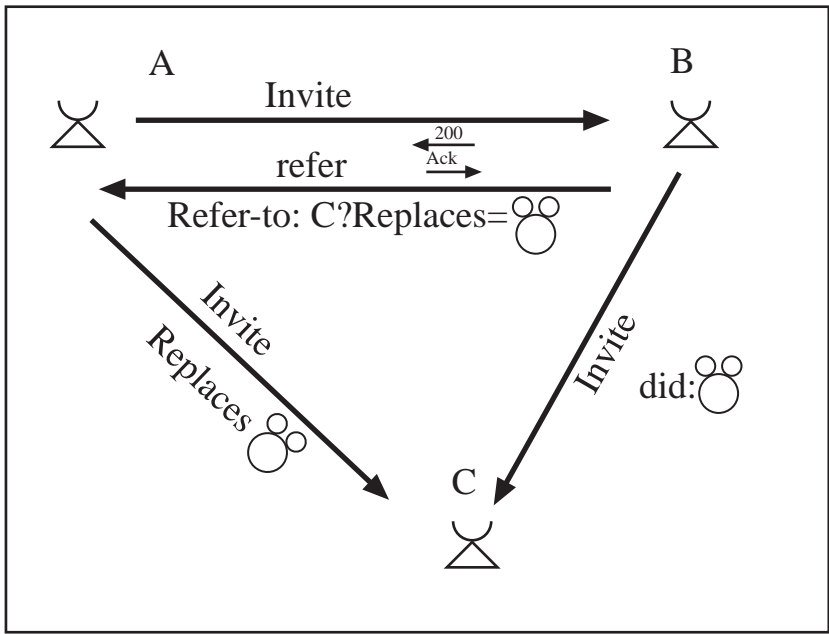
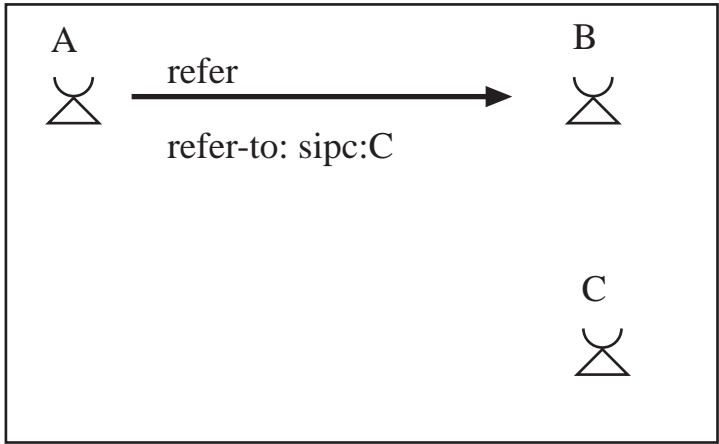
*you have to mention the class
in your main or this will never
get initialized (like in Java)
like:*
#include "SdpContents.hxx"

*The body is not determined or parsed
until asked for - don't ask unless you need it*

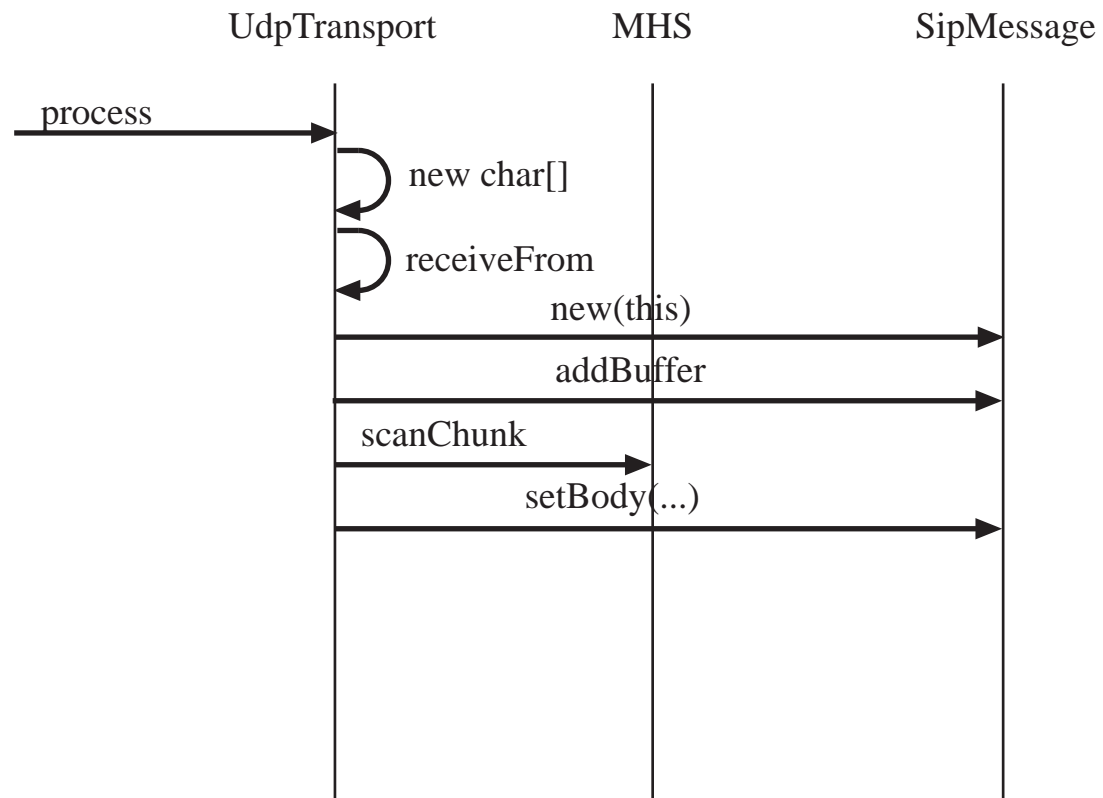
```
Contents* SipMessage::getContents
```

```
SdpContents*sdp = dynamic_cast<SdpContents*>(msg.getContents());
```

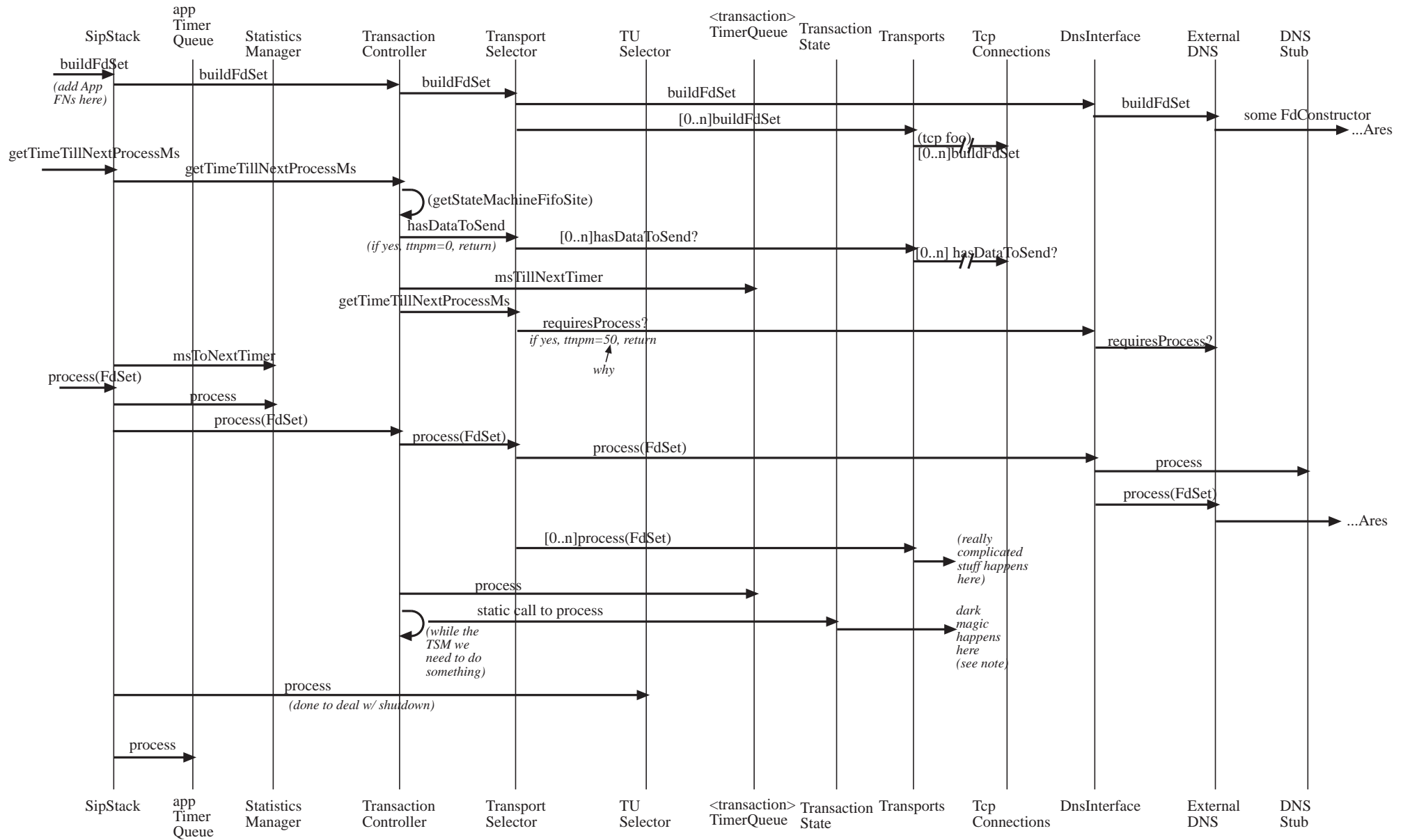




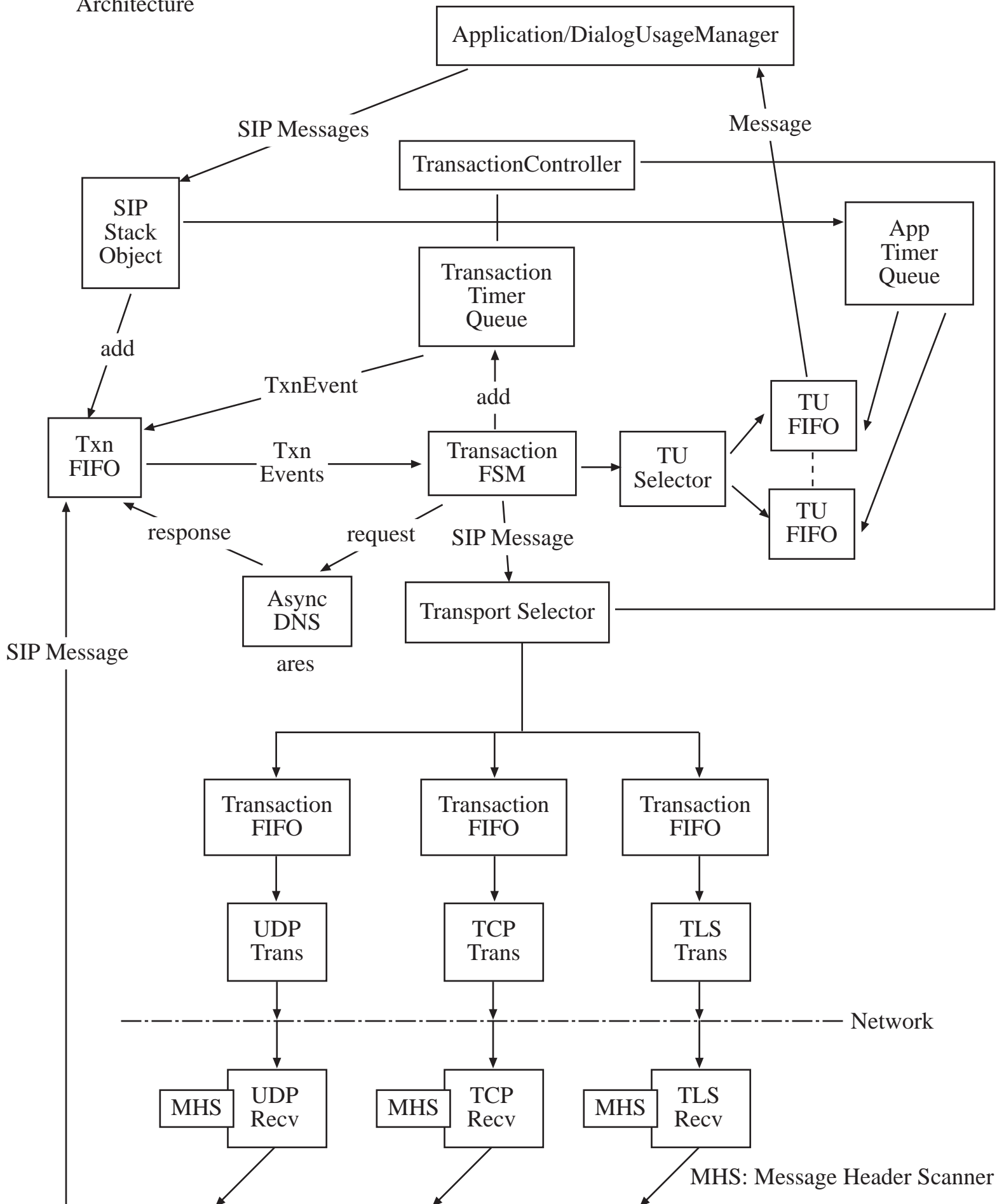
Process Incoming UDP



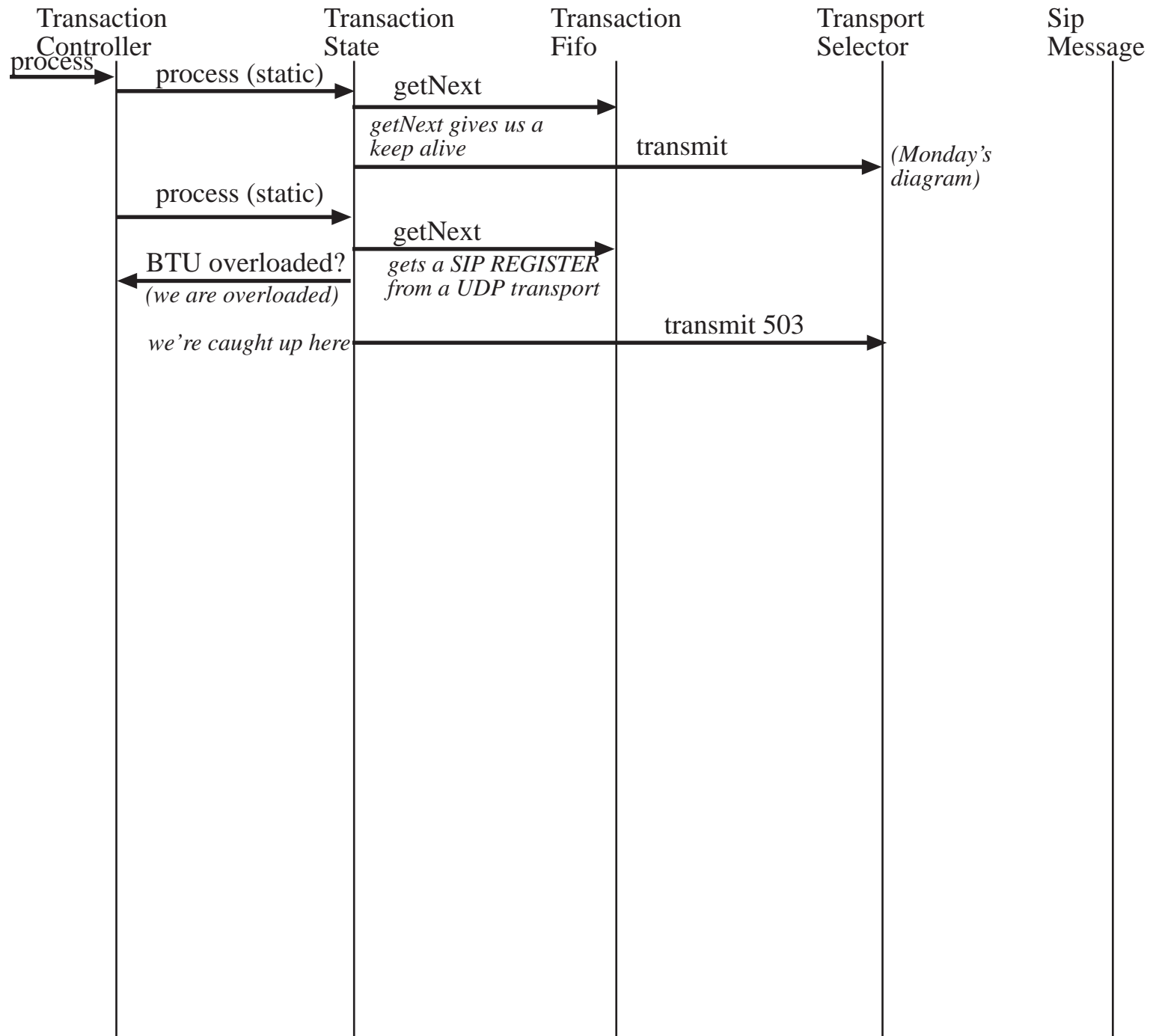
Main Event Loop



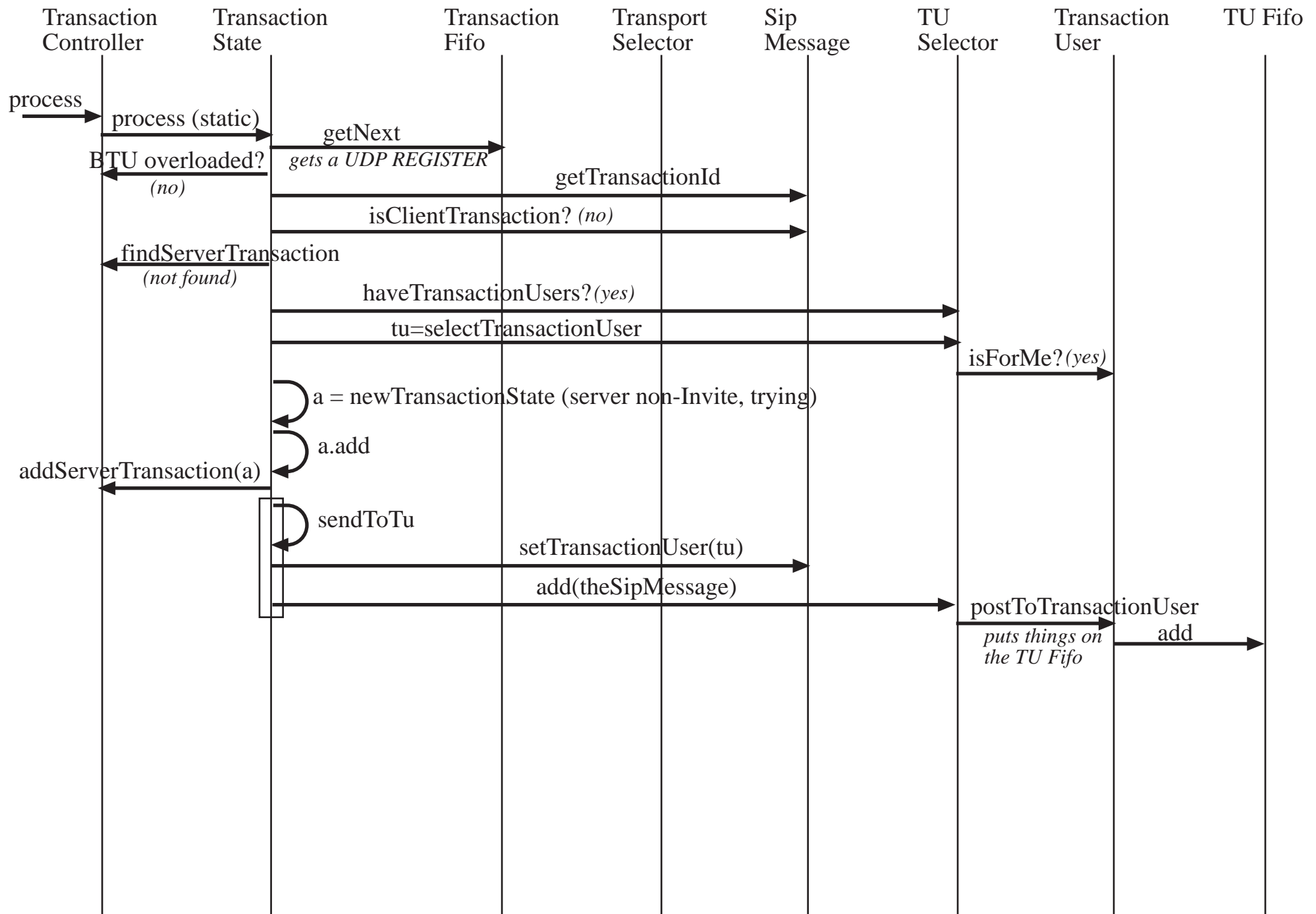
reSIProcate
Architecture



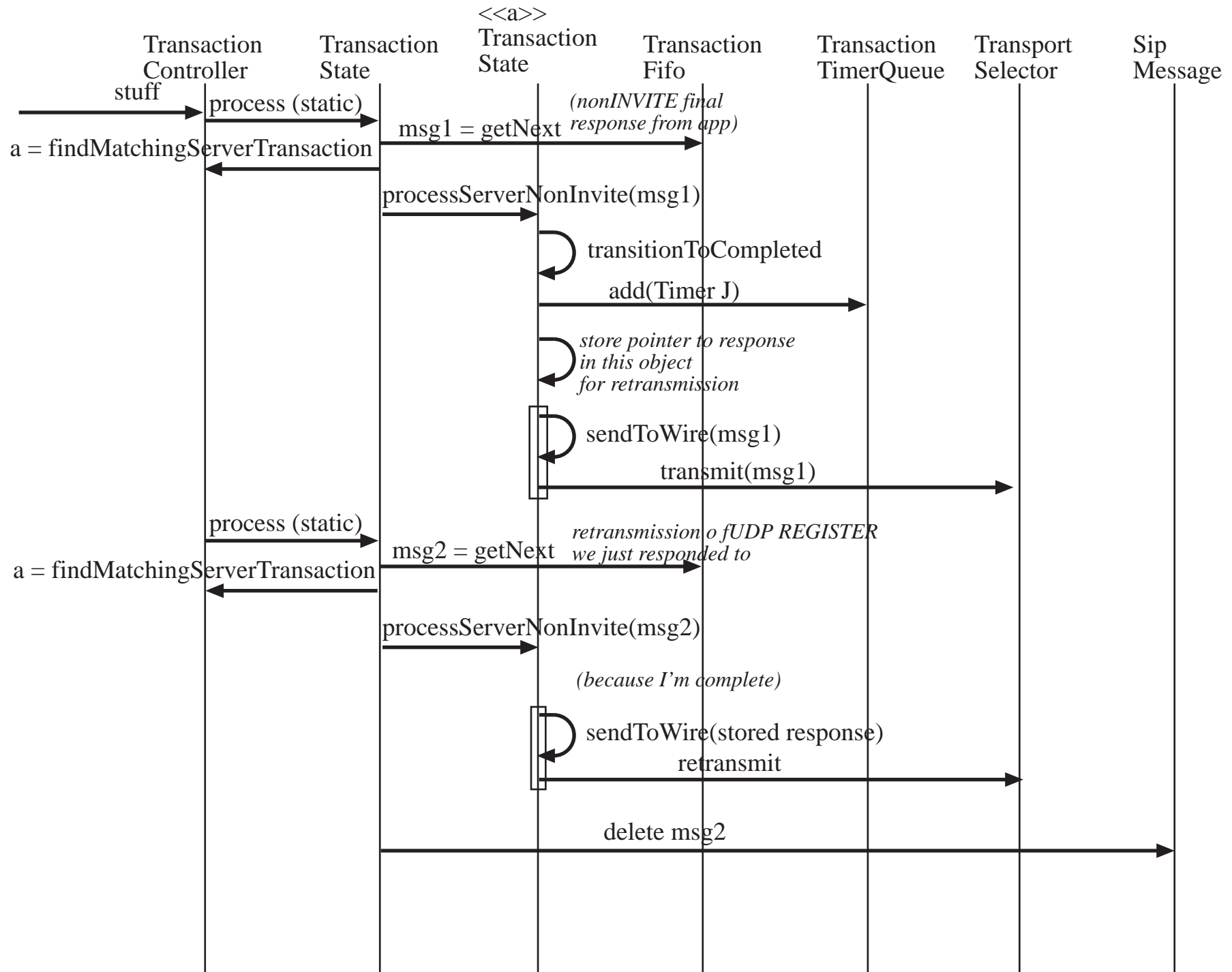
Transaction Nightmare



Server non-Invite w/UDP



TU sends response to non-invite request (UDP)



TU sends response to non-invite request (UDP)

