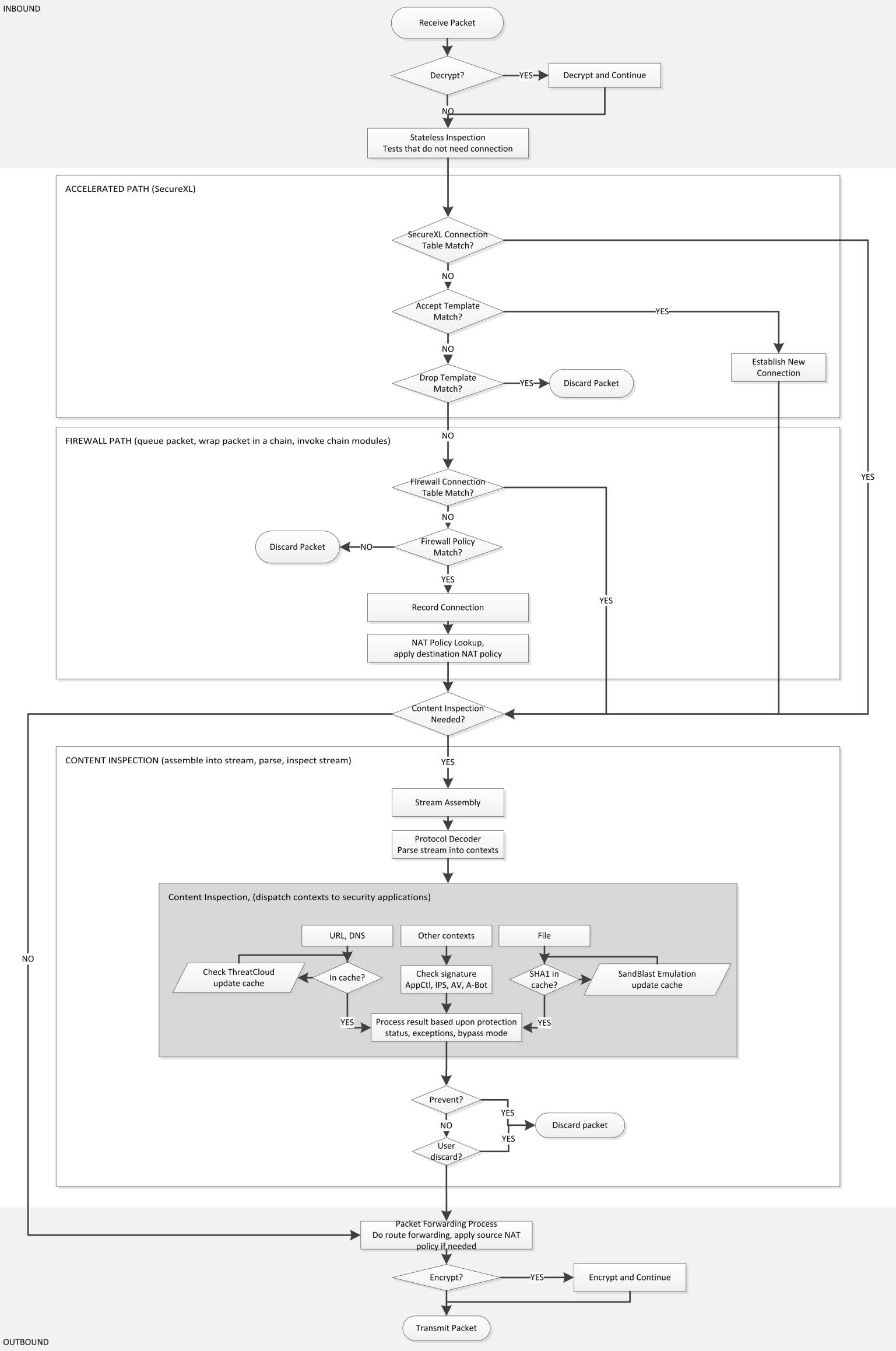
INBOUND
Receive Packet
Decrypt?
YES
Decrypt and Continue
NO
Stateless Inspection
Tests that do not need connection
ACCELERATED PATH (SecureXL)
SecureXL Connection Table Match?
NO
Accept Template Match?
YES
Establish New Connection
NO
Drop Template Match?
YES
Discard Packet
NO
FIREWALL PATH (queue packet, wrap packet in a chain, invoke chain modules)
Firewall Connection Table Match?
YES
NO
Firewall Policy Match?
NO
Discard Packet
YES
Record Connection
NAT Policy Lookup, apply destination NAT policy
Content Inspection Needed?
YES
NO
CONTENT INSPECTION (assemble into stream, parse, inspect stream)
YES
Stream Assembly
Protocol Decoder
Parse stream into contexts
Content Inspection, (dispatch contexts to security applications)
URL, DNS
Other contexts
File
Check ThreatCloud update cache
In cache?
Check signature AppCtl, IPS, AV, A-Bot
SHA1 in cache?
SandBlast Emulation update cache
YES
Process result based upon protection status, exceptions, bypass mode
YES
Prevent?
YES
Discard packet
NO
YES
User discard?
Packet Forwarding Process
Do route forwarding, apply source NAT policy if needed
Encrypt?
YES
Encrypt and Continue
Transmit Packet
OUTBOUND