

There are approximately 14 parameters depending upon how you categorize, which if matched between the two IPsec devices, create the highest quality, most stable connections possible. The "caveats" are "can't be using known broken software revisions on either side" and "in path connectivity can't be obstructed".

| | VNS3 Controller | Connecting Device |
|--|--------------------------|---|
| Make | Cohesive Networks | |
| Model | VNS3 | |
| Version | | |
| Public IP | | |
| Private (NAT'd) IP | | |
| Pre-shared Key (PSK) | | |
| IKEv1 or IKEv2 | | |
| Policy-based or Route-based | | |
| - if Route-based: GRE or VTI | | |
| NAT-Traversal or Native IPsec | | |
| Bidirectional or Receive-Only | | |
| Local IKE Peer ID | | |
| Remote IKE Peer ID | | |
| Phase1/IKE | | |
| Algorithm | | |
| Hash/Integrity | | |
| Diffie-Hellman Group | | |
| Lifetime (time in s) | | |
| Phase2/IPsec | | |
| Algorithm | | |
| Hash/Integrity/PRF | | |
| Lifetime (time in s) | | |
| Data Lifetime (data in kb) | NA | Please Disable for Max Stability |
| PFS Enabled or Disabled | | |
| PFS DH Group | | |
| DPD Enabled or Disabled | | |
| VPN Idle Timeout | Unlimited | Please Disable for Max Stability |
| Encryption Domain/Paired Subnets/Traffic Selectors | | |