

(a)

IPv4 Original Packet

|         |     |      |
|---------|-----|------|
| Orig IP | TCP | Data |
|---------|-----|------|

Transport Adjacency Encryption

|         |         |     |      |             |
|---------|---------|-----|------|-------------|
| Orig IP | ESP hdr | TCP | Data | ESP trailer |
|---------|---------|-----|------|-------------|

Transport Adjacency Encryption and Authentication

|         |        |         |     |      |             |
|---------|--------|---------|-----|------|-------------|
| Orig IP | AH hdr | ESP hdr | TCP | Data | ESP trailer |
|---------|--------|---------|-----|------|-------------|

(b)

IPv4 Original Packet

|         |     |      |
|---------|-----|------|
| Orig IP | TCP | Data |
|---------|-----|------|

Tunnel SA with Encryption

|        |         |         |     |      |             |
|--------|---------|---------|-----|------|-------------|
| New IP | ESP hdr | Orig IP | TCP | Data | ESP trailer |
|--------|---------|---------|-----|------|-------------|

Tunnel SA with Encryption and Authentication

|        |        |         |         |     |      |             |
|--------|--------|---------|---------|-----|------|-------------|
| New IP | AH hdr | ESP hdr | Orig IP | TCP | Data | ESP trailer |
|--------|--------|---------|---------|-----|------|-------------|

(c)

IPv4 Original Packet

|         |     |      |
|---------|-----|------|
| Orig IP | TCP | Data |
|---------|-----|------|

Tunnel SA with Authentication

|        |        |         |     |      |
|--------|--------|---------|-----|------|
| New IP | AH hdr | Orig IP | TCP | Data |
|--------|--------|---------|-----|------|

Tunnel SA with Authentication and Encryption

|        |    |            |         |     |      |             |
|--------|----|------------|---------|-----|------|-------------|
| New IP | AH | ESP Header | Orig IP | TCP | Data | ESP trailer |
|--------|----|------------|---------|-----|------|-------------|