

# EAP Channel Binding

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Painless Security

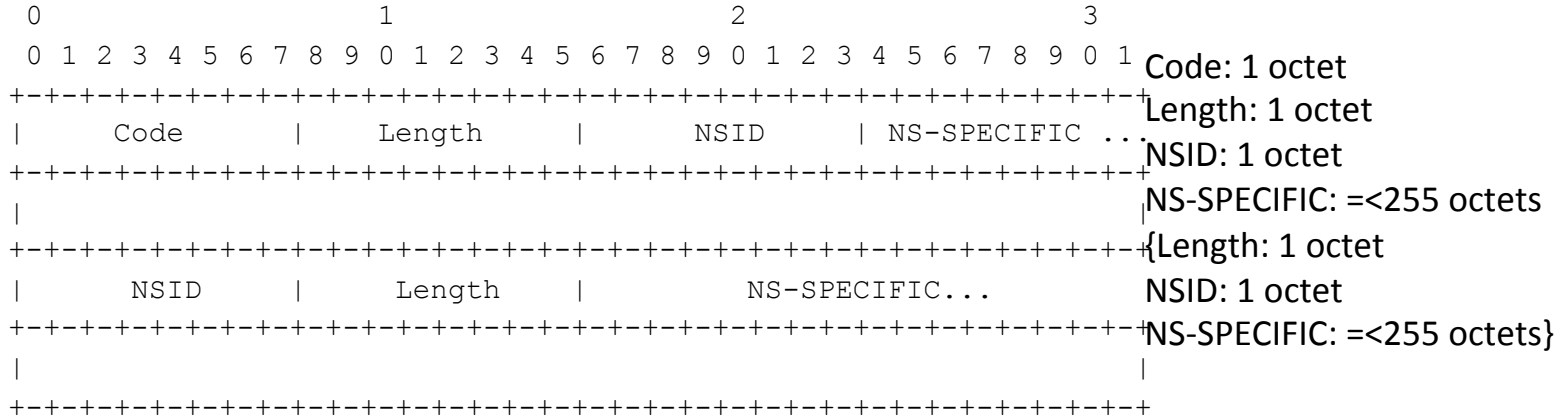
IETF 80

# Open Issues

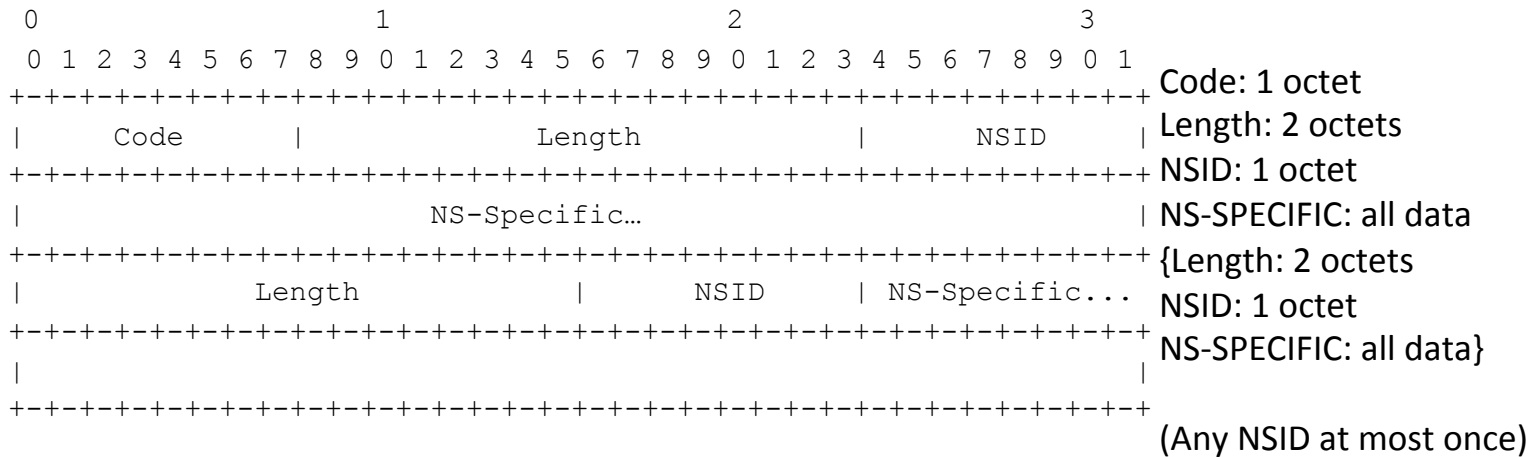
- What encoding should be used for channel bindings: two options
- Diagrams required
- Confirm 802.11 attributes

# Two encoding options

## Encoding option 1



## Encoding option 2



# Two RADIUS AVPs encoded both ways

## Encoding option 1

```

0                               1                               2                               3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-----+-----+-----+-----+-----+-----+-----+-----+
|   Code   |   Length   |   NSID   |   Type   |
+-----+-----+-----+-----+-----+-----+-----+-----+
|                                     Value...
+-----+-----+-----+-----+-----+-----+-----+-----+
|   Length   |   NSID   |   Type   |   Value...
+-----+-----+-----+-----+-----+-----+-----+-----+
|                                     |
+-----+-----+-----+-----+-----+-----+-----+-----+

```

## Encoding option 2

```

0                               1                               2                               3
0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1
+-----+-----+-----+-----+-----+-----+-----+-----+
|   Code   |           Length           |   NSID   |
+-----+-----+-----+-----+-----+-----+-----+-----+
|   Type   |   Length   |   Value...
+-----+-----+-----+-----+-----+-----+-----+-----+
|   Type   |   Length   |   Value...
+-----+-----+-----+-----+-----+-----+-----+-----+

```