DHC Emergency Dialstring Option

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draft-polk-dhc-emergency-dialstring-option-00

DHC Requirement

- Provide boot-time download of emergency dialstring relevant to access network

Option Format

```
 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 XXX    |     Length    |          Country Code        +
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|  Service ID  |            Dialstring Digits                  +
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
|                Dialstring Digits (cont'd)...                  +
+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+-+
```
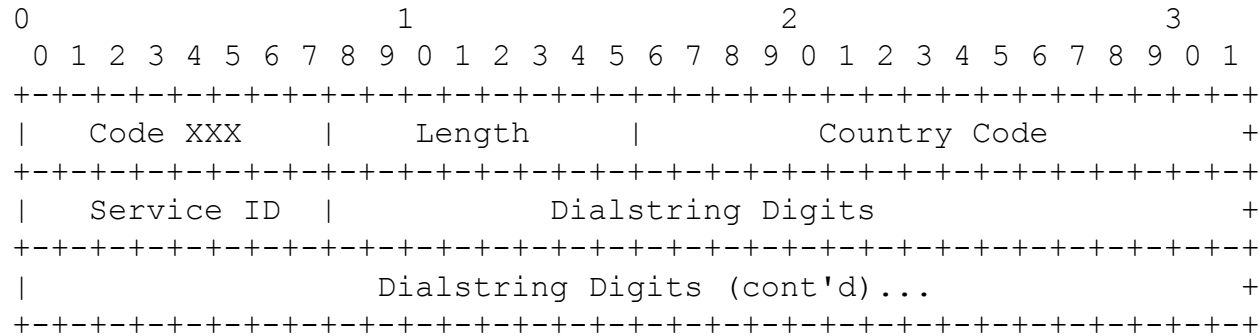
Figure 1. The Emergency Dialstring Option Format

Code =   The IANA Assigned Option number

Length =   This is a variable length value of the number of
                  bytes in the Option, including this length field.

Country Code = The two octet ISO country code.

Service Identifier = the one octet indication of type of dialstring

Dialstring =   This is emergency dialstring digits, one per byte, to
               a maximum of 16 digits. This is variable in length
               based on the number of digits in the dialstring.

Open Issues

- Concern has been raised of DHC Operator being tied to provide this information when that provider doesn't use it (application layer provider does)