CRC-16-ANSI

$x^{16} + x^{15} + x^2 + 1$ (17 bits)

Standard 16-bit representation = 0x8005

```
CRCXORH = 0b10000000
CRCXORL = 0b0000010-
```
(1)

Data Sequence:
0x55, 0x66, 0x77, 0x88

```
DLEN = 0b0111
PLEN = 0b1111
```

Data entered into the CRC:
SHIFTM = 0:
01010101 01100110 01110111 10001000

SHIFTM = 1:
10101010 01100110 11101110 00010001

Check Value (ACCM = 1):

SHIFTM = 0: 0x32D6

```
CRCACCH = 0b00110010
CRCACCL = 0b11010110
```

SHIFTM = 1: 0x6BA2

```
CRCACCH = 0b01101011
CRCACCL = 0b10100010
```

Note 1: Bit 0 is unimplemented. The LSb of any CRC polynomial is always '1' and will always be treated as a '1' by the CRC for calculating the CRC check value. This bit will be read in software as a '0'.