The correct format for the CSI (called/calling station ID) is explained in RFC3580: uppercase and hyphen separated.

This code snipped for FreeRADIUS will capitalise and format correctly:

```
rewrite_calling_station_id {
      if (Calling-Station-Id =~/([0-9a-f]{2})[-:]?([0-9a-f]{2})[-:.]?([0-9a-
f]{2})[-:]?([0-9a-f]{2})[-:.]?([0-9a-f]{2})[-:]?([0-9a-f]{2})/i) {
            update request {
                  Calling-Station-Id := "%{toupper:%{1}-%{2}-%{3}-%{4}-
%{5}-%{6}}"
            }
      } else {
            noop
      }
}
```

Thanks to Matt Richards from Bath University for writing and sharing this code.