Operation of DLC Protocols

- Sliding window
  - tx up to N packets before getting ack.

Frame structure

```
| F1 | CRC | S0 | S0 | Data | Flag |
```

Error detect bits

Detecting errors

`NACK`

Timeout

What to do:

- SW

```
N_{max} = 2^n - 1
```
Go-back-N rejected out of sequence packets
Selective Repeat accept out of sequence packets

Response (no errors)

Stop & wait (N = 1)

\[ J = 1 + \frac{2^{\text{req}}}{\text{rtt}} \]

Sliding window N

Large window case: \[ N \geq 1 + \frac{2\text{req}}{\text{rtt}} \]

9 \to 1
Small window

\[ N \leq 1 + \frac{2\pi R}{f} \]

\[ g = \frac{a}{1 + 2\pi \frac{R}{f}} = \frac{\text{Reff}}{R} \]

Limit source Tx rate by limity \( R \).