



PCM

Teleinstallationstekniker

H1 2009

Lkaa

PAM



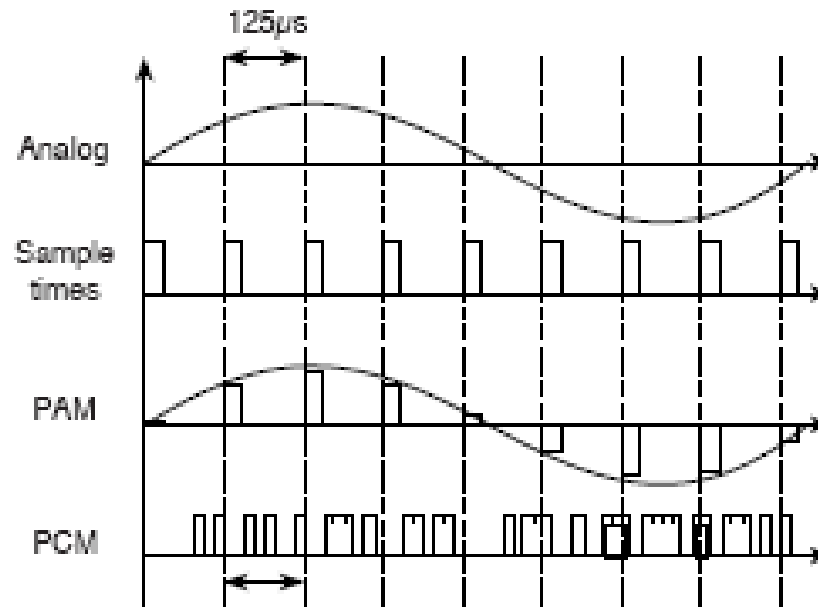
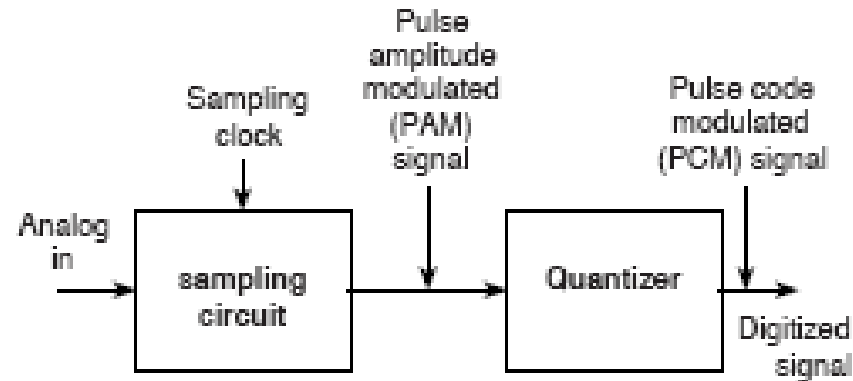
- PAM Pulse code modulated
- Konverting af Analog til digitalt signal
- ADC = Analog til digital
- DAC = Digital til analog

PCM



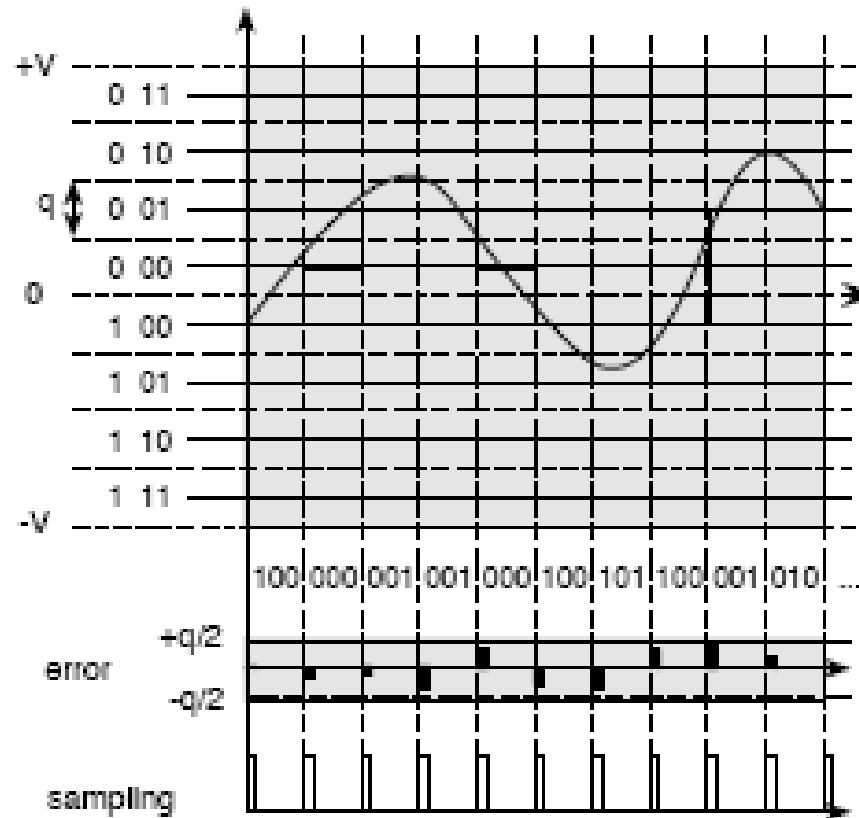
- PCM = Pulse code modulation
- Hver sample deles op i 256 nivauer (8 bit)

Analog til Digital

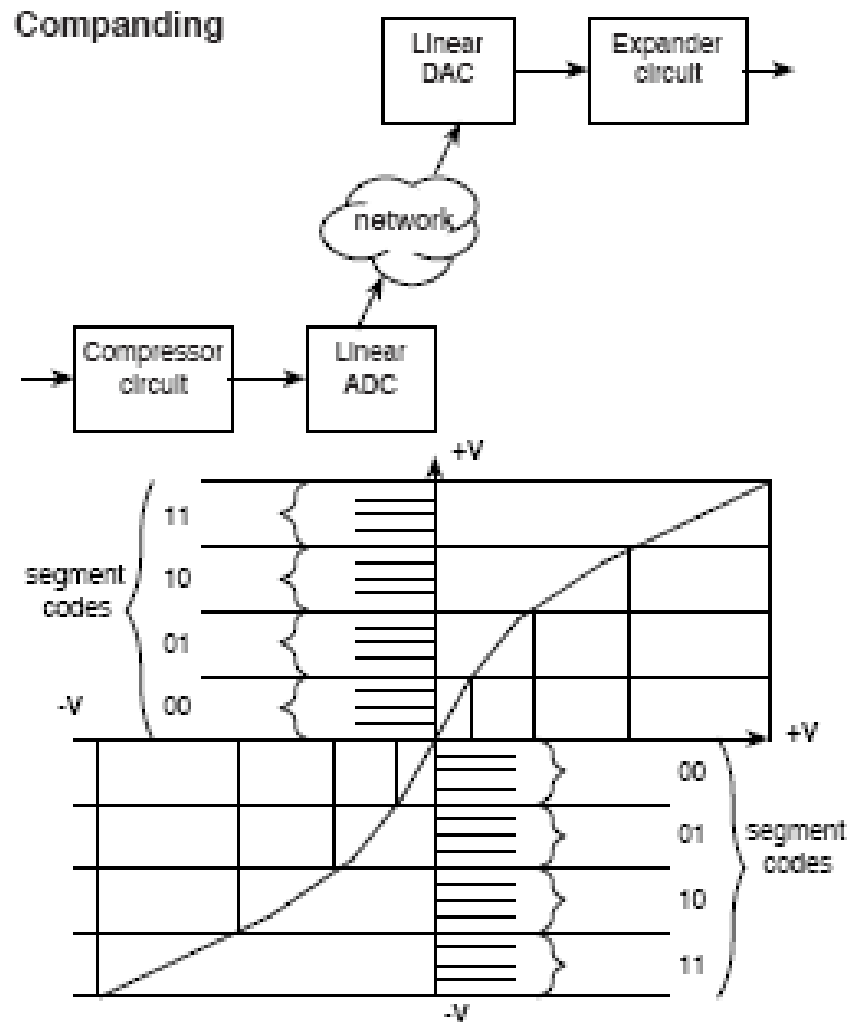


Quantisering

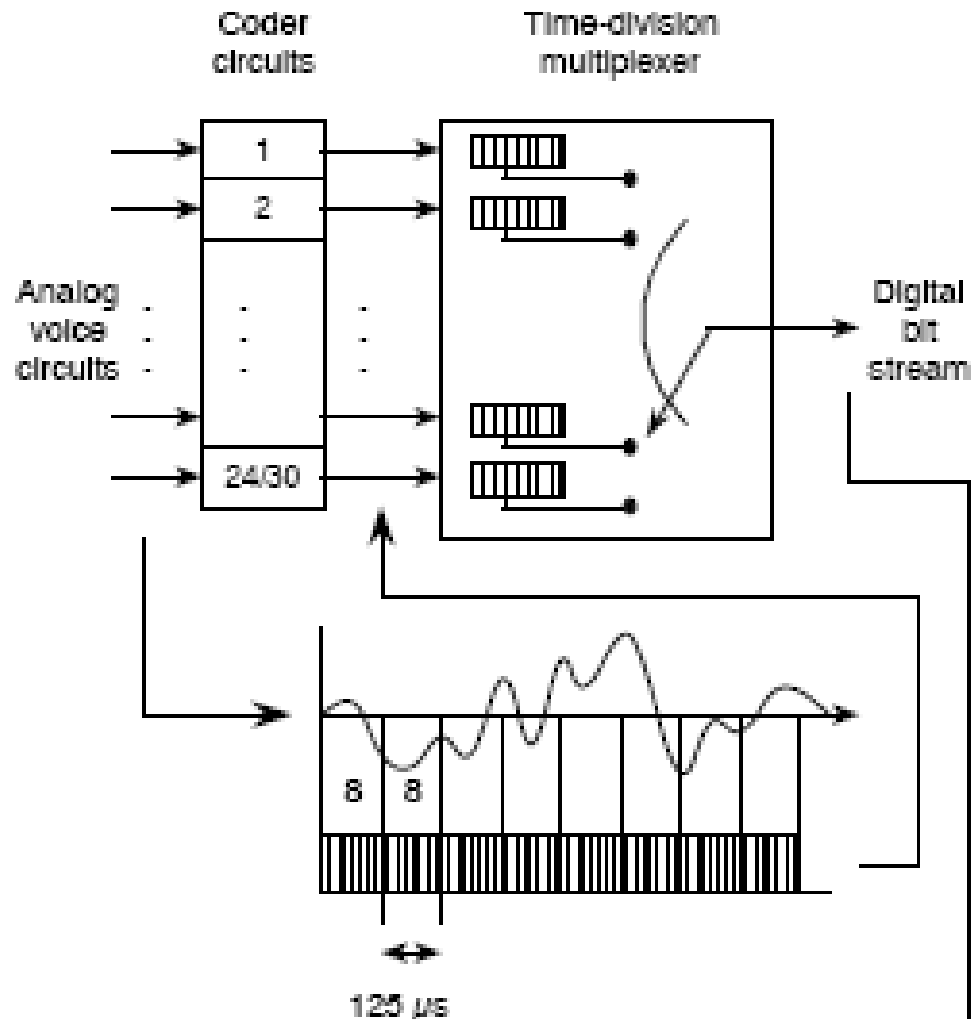
- Fejl i forhold til original signalet



Componding signal forbedring



Multiplexing

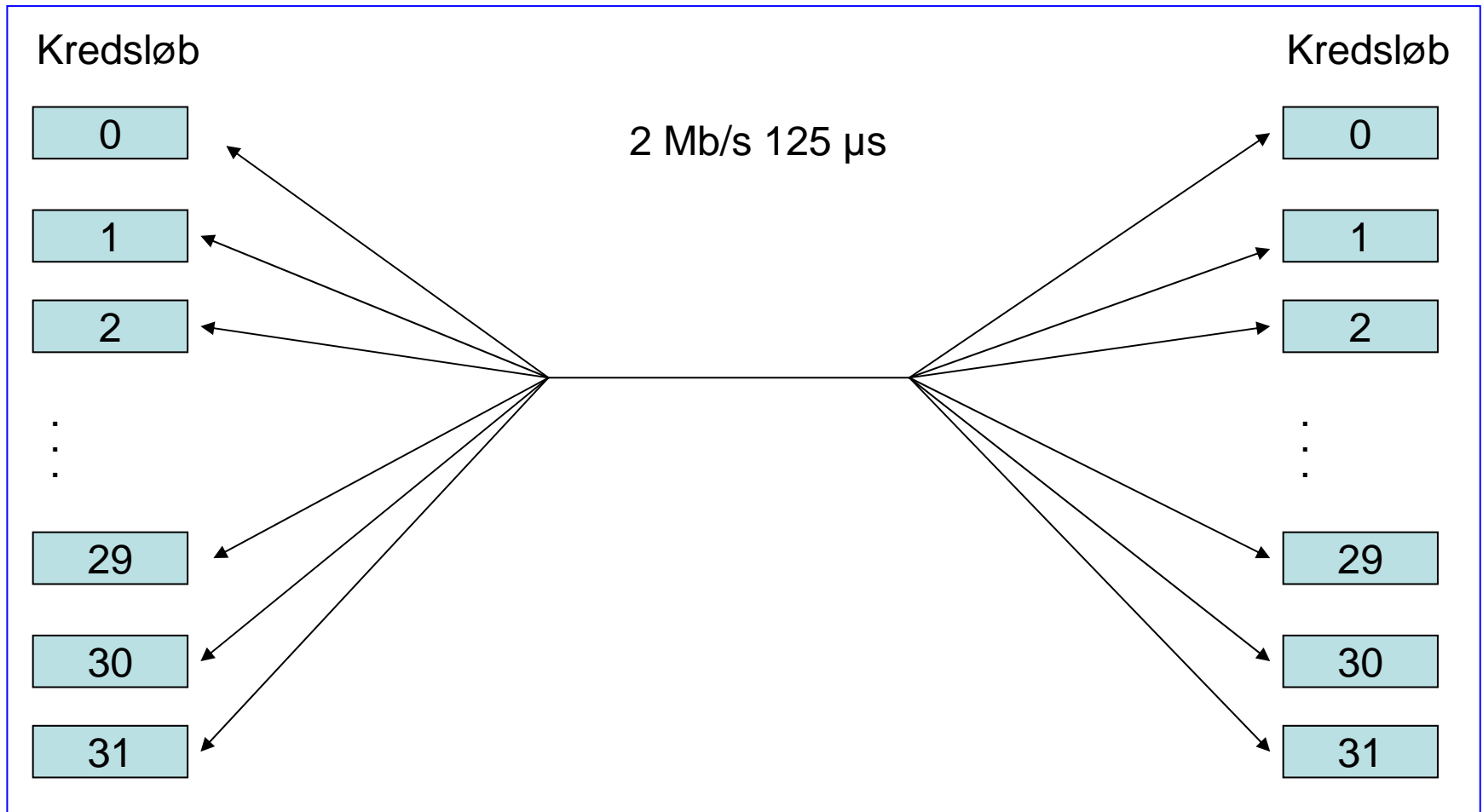




Multiplexing

2 mb/s system i Viborg

2 mb/s system i Randers



Multiplex hierarki

Multiplexing hierarchies

U.S.	Circuit	Bit rate	Channels
	DS1	1.544	24
	DS1C	3.152	48
	DS2	6.312	96
	DS3	44.736	672
	DS4E	139.264	1920
	DS4	274.176	4032
ITU-T			
	E1	2.048	30
	E2	8.448	120
	E3	34.368	480
	E4	139.264	1920
	E5	565.148	7680

PDH struktur

