Questions for exercices ENON100e.pdf

1* On a 20-km line, electrified with single-phase AC-current, 1600 t trains are hauled at 100 km/h by a *Class 185* from DB. We can find a 10 km ramp at 5 ‰. After an important incident on the substation, the power supply of the catenary is not available. The line has to be used provisory with Diesel locomotives. (Leaflets 8.5.13 & 8.10.23, fig. 4.229).

- A How many Class 285 from CBrail are necessary to haul the same trains?
- **B** A question: repair or not repair? Explain choice arguments to the board office.
- **5*** It is planned change the voltage on Uetliberg from 1200V= to 1500V=, to have a standard value and reduce the power lost in the catenary. It is planned buy new trains.
- A Explain the impacts on fixed installations: objects to modify, change on operations?
- **B** Explain the impacts on actual rolling stock. Modifications? Scrap?

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