Table 5: Definition of emission standards

Standard	NO _X limits (g/kWh)	Comments
I ECE R.49	18	13 mode test
II US-1990	8.0	Transient test
II US-1991	6.7	Transient test

Table 6: <u>Heavy-duty diesel engine technologies, emission performance</u>, <u>a/</u> and costs for emission standard levels

Standard	Technology	NO _X reduction estimate (%)	Additional production cost (1984 US\$)
I	Current conventional direct injection diesel engine		
II <u>b</u> /	Turbo-charging + after- cooling + injection timing retard (Combustion chamber	40	\$115 (\$69 attributable to NO _X standard) <u>c</u> /
	and port modification) (Naturally-aspirated engines are unlikely to meet this standard)		bee méthodat es in- cables, mais tes me by, codte et dint -
III <u>b</u> /	Further refinements of technologies listed under II together with variable injection timing and use of electronics	50	\$404 (\$68 attributable to NO _X standard) <u>c</u> /

 $\underline{a}/$ Deterioration in diesel fuel quality would adversely affect emission and may affect fuel consumption for both heavy and light duty vehicles.

 \underline{b} / It is still necessary to verify on a large scale the availability of new components.

c/ Particulate control and other considerations account for the balance.