

# Environmental Standards and Engineering Standards

Full Description

## **Engineering Standards**

A duty to operate in accordance with "good industry standards", for example in the toll road industry, means:

- to act according to those practices, methods, techniques and standards;
- that are from time to time generally accepted for use in the international (or regional) toll road industry and commonly used in (the region) in prudent engineering and operations;
- to operate and maintain equipment similar to the toll road project's facilities;
- lawfully, safely, efficiently and economically in similar circumstances.

While these "standards" are usually industry standards and are specified in the clauses of the project agreement, standards can derive from investment treaties, international custom and international conventions that set minimum levels for more humane issues such as workplace conditions, child labor age, and environmental protection. They may also be enshrined in the host country's law.

Standards may have been based on international practice rather than crafted to the local conditions or needs and so thought should be given to what standards are appropriate to the context and whether flexibility can be introduced, particularly in creating innovative solutions for poorer customers.

## **Environmental Standards**

Infrastructure projects are likely to have an impact on the surrounding environment, whether noise, air pollution, pollution of aquifers, deforestation, etc. There are likely to be environmental standards incorporated into the law or regulation of the host country - for more on this go to [Land/ Environmental Issues](#). There may also be national and/or international standards that the awarding authority may deem it prudent to require the operator to comply with - for instance in the area of water and sanitation, WTO potable water and effluent standards. These can be included as part of the operator's obligations in the contract.

Where existing assets are to be managed or operated by the new operator, attention will need to be given to the level of performance and standards being met prior to the contract - it may be impractical to expect the operator to meet a set of standards from commencement of the contract which have not been achieved prior to contract. Thought will need to be given as to the standards that are appropriate in the context, at least for an initial period of the contract.

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