

Standard 8B: Natural Resources and Ecosystem Management (NREM)

Principle: Managing natural resources requires that the provision of ecosystem services, and social and economic demands are balanced with ecosystem sustainability, including ecosystem function, and species and landscape biodiversity across a broad land base. The competencies listed ensure a comprehensive background on the part of the applicant, including understanding the regulatory framework, understanding and implementing strategic, tactical and operational plans, and landscape-level monitoring.

Demonstrable competencies and descriptions

As applicable, a candidate for certification shall provide evidence of the ability to:

8B.1 Discuss the landscape management process, requirements and levels.

- Components of the landscape management process
- Purpose of landscape-level management planning
- Domestic and global trends
- Concept and applications of sustainability
- Strategic, tactical and operational planning levels

8B.2 Design environmental/landscape-level plans.

- Legal and policy requirements
- Stakeholder consultation
- Landscape values (ecological, social, and economic)
- Current landscape conditions
- Management objectives and constraints
- Landscape/forest-level projection models
- Actions (silviculture) used to attain different management objectives
- Performance measurement criteria and methodologies

8B.3 Develop operational plans.

- Business and operational objectives and constraints
- Resources required
- Basic operational planning including access, silviculture, protection, use management, etc.