**a1. Rope**

- **c1. Safety-related situations of Rope**
  - **st3. Argument by claiming safety of safety-related situations**
    - **g14. Rope shall be safe.**
  - **st5. Argument by claiming safety of safety-related scenario**
    - **g16. Signs of rupture shall be detected.**
    - **g15. Preventing to rupture shall be guaranteed.**
  - **st4. Argument by considering every related components**
    - **g18. Rope material of enough high intensity shall be used.**
    - **g17. During movement of cage, rope shall be safety.**
  - **sn4. Rope intensity test report**
  - **sn5. Rope elasticity test report**
  - **sn6. Rope maintenance report**
  - **g20. Rope shall be exchanged periodically.**
  - **g19. Rope material of enough high elasticity shall be used.**