

Seminar Objective: Introduction to the Maintenance and Operation process throughout a project cycle from planning, designing, construction and implementation of a road tunnel with specific focus for Owners and Decision Makers, Consulting Engineers, Contractors and others with an interest in Maintenance and Operation activities

Tentative Programme

Day 1

Session 1 Introduction and Overview

09.00 – 09.45: Welcome and Opening: ITA and local representatives

09.45 – 10.30: Requirements and Objectives of Maintenance and Operation: Flux, Safety, and Asset Management

10.30 – 11.00: Coffee Break

11.00 – 11.45: Corresponding Organization, Formalization and Competence.

11.45 – 12.30: Taking Maintenance and Operation into account during the Design and the Construction

12.30 – 14.00: Lunch

Session 2 Overview of the Tunnel system

14.00 – 14.45: Mechanical and Electrical 1: Power, Lighting, and Drainage.

14.45 – 15.30: Mechanical and Electrical 2: Ventilation, Fire detection.

15.30 – 16.00: Coffee Break

16.00 – 16.45: Surveillance and Supervision: Video, SCADA, Control room.

16.45 – 17.30: Modes of Functioning according to the events

17.30 – 18.00: Questions and Answers

Day 2

Session 3 Operation

09.00 – 09.45: Operation Levels and Modes

09.45 – 10.30: Events Management: Intervention and Safety plans

10.30 – 11.00: Coffee Break

11.00 – 11.45: Feedback from Experience: collecting of information, exercises, drawing lessons

11.45 – 12.30: Management of Operation and Safety: staff recruiting and training, documentation and Instructions, Updating, Reporting

12.30 – 14.00: Lunch

Session 4 Maintenance

14.00 – 14.45: General Policy – Asset Management.

14.45 – 15.30: Structures: periodical detailed inspections, annual surveillance, routine maintenance

15.30 – 16.00: Coffee Break

16.00 – 16.45: Mechanical and Electrical 1: Specifics and constraints, inspections, maintenance tasks and continuous control

16.45 - 17.30: Mechanical and Electrical 2: Maintenance programme and feedback from experience, maintenance strategy, refreshment and refurbishment

17.30 – 18.00: Summary and Closing of the Seminar