

Required Content of the Feasibility Study

Annex C: Priority Axis 9 «Ασφάλεια Ναυσιπλοΐας και Αεροναυτιλίας»

Version 4: April 2024

This Annex is prepared with reference to the document “Preparation of Feasibility Studies for Transport Investments: Guidance for Practitioners”.

1 Objectives

Required: YES

Specific Content:

Project Goal: In certain cases, the project may be driven by a legal obligation, and if so then just refer to the overall goal related to that legal obligation. Where the investment is not mandated through a legal obligation, describe the goal of the investment according to the guidance in Paragraph 1.2.1 of the Guide.

Specific Objectives: See paragraph 1.2.2 of FS Guide

Compatibility: See paragraph 1.2.3 of FS Guide

2 Existing Situation

Required: YES

Specific Content:

Current Situation: See paragraph 2.2 of FS Guide. Include description of the existing system to include:

- Installations currently provided;
- Functionality of the existing system;
- Condition of the existing system/compatibility;
- Where relevant, how it does comply with legal requirements; and
- Any relevant information on reliability (incidents, failures, etc).

Complementarity: Identify any complementary investments such as systems upgrades or new infrastructure that may be undertaken and which interface with the current project, and explain how the current project will accommodate them.

3 Demand Analysis

Required: NO

4 Options Development and Analysis

Required: YES

Specific Content:

Strategic Analysis: Apply Method 1 or 2 as appropriate. It is expected that this will cover all investments under this Priority Axis.

Technical Analysis:

- *Define Options: List the main technical parameters (scope, range, functionality, operating mode, scale etc) that are used in the definition of the system. This should include all key technical parameters that influence the final specification, and should be presented as a list with an appropriate description of each.*
- *Screening: Not Required*
- *Preliminary Appraisal: Use Economic Analysis Method 2: Cost Effectiveness Analysis.*

5 **Project Definition**

Required: YES

Specific Content:

- Modifications: If appropriate, see paragraph 5.2 of FS Guide.*
- Definition: Present a full and comprehensive description of the investment including technical specifications for the system and a full description of any ancillary infrastructure.*
- Indicators: Present a table showing project indicators, which should include:*
- *Implementation indicators (e.g. number of systems to be installed and eventually number of key components per system). In any case these indicators should be in line with the relevant OP indicators.*
 - *Result indicators (an example for a VTMS system could be: increase of coverage of the Greek seawater from Km2 to ... km2). In any case these indicators should be in line with the relevant OP indicators.*

6 **Cost**

Required: YES

Specific Content:

- Capital Cost: Include all systems plus ancillary infrastructure, appropriately categorised. Include any costs relating to decommissioning and disposal of old equipment.*
- Operating Cost: Include all costs associated with operation, including staff, payments of software and hardware maintenance / upgrade, maintenance of ancillary equipment, periodic planned maintenance. Present without-project and with-project costs, and present the incremental cost. Project cost over the full anticipated operating life of the investment.*

7 **Financial and Economic Analysis**

Required: YES

Specific Content:

- Financial Analysis: Required, in the case where the investment is considered State Aid*

Economic Analysis: Not Required – refer to CEA from Section 6. Where relevant, additional guidance is available through “Guidelines for cost-benefit analysis of CNS/ATM systems (Circular 257) of ICAO”.

Financing Plan: See paragraph 7.4 of FS Guide.

8 State Aid

Required: YES

Specific Content:

Aid Assessment: See paragraph 8.2 of FS Guide.

9 Procurement and Implementation Plan

Required: YES

Specific Content:

Procurement: Describe procurement method to be used, and rationale for selection of that method.

Implementation: See paragraph 9.2 of FS Guide. Include programme for procurement activities, award, installation, testing/commissioning before live operation, and warranty period.

10 Operational Plan

Required: YES

Specific Content:

Scope: Describe the operation of the investment, defining who will be the target users and how the actual operation will take place.

Governance: Describe the institutional structures and entities that are involved in the successful operation of the investment, how communication works between them and what are the obligations of each party (funding, technical oversight, auditing, quality control etc).

Modification: Describe specifically those aspects of the governance that are new and are to be developed to ensure the proper operation of the investment

11 Risk Assessment

Required: YES

Specific Content:

Categories:: The Risk Assessment should include specific risks under the following categories:

- Human resources availability
- Performance of software systems
- Interfaces with existing systems
- Ancillary infrastructure (where relevant)
- Cost escalation
- Procedural delays in launching/awarding the tender

- Risk Transfer:*
- Delays in implementation, mainly related to technological equipment and materials, due to supply chain problems internationally.
 - *Lack of suppliers willing/able to bid for the contract.*
- Describe what risks (if any) have been transferred to the contractor during the operation stage.*

12 *Climate Vulnerability and Risk Assessment*

Required: YES (only for those components considered “Infrastructure”)

Specific Content:

Climate Assessment: As outlined in Section 12 of the Guide, for the vulnerable elements of the proposed investment (see Annex I of the FS Guide for definition of vulnerable elements).

13 *Environmental Impact Assessment*

Required: YES

Specific Content:

Impacts: As outlined in Section 13.1 of the Guide, where an EIA has not been undertaken.