Figure C.4 provides an overview of the steps required to compile an ASOR.

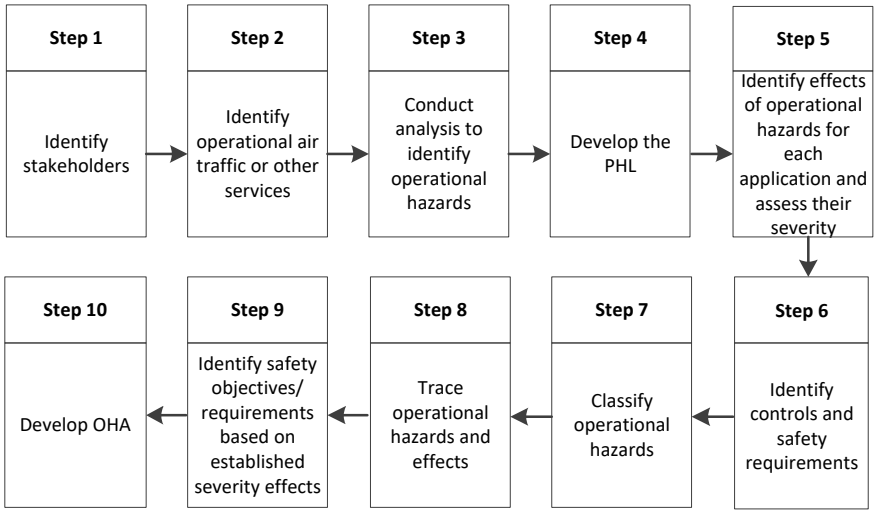

Figure C.4: ASOR High-Level Process

The tasks required for preparing an ASOR are described in Section 5.3.1 through Section 5.3.6.

5.3.1 Identify Solution Failure Relationships

Identify the relationships between CNS/ATM solution failures, procedural errors, and their effects on air traffic services and the hazard. Include identification of common cause failures and errors occurring among elements of the solution.

5.3.2 Identify Shared Risk Mitigation Strategies

Identify risk mitigation strategies that are shared by multiple elements of the CNS/ATM solution, including mitigation of effects from common cause failures and errors occurring across solution elements. CNS/ATM solution mitigation includes architectural and procedural aspects of the solution, as well as environmental mitigation and related candidate safety requirements identified in the OHA.

5.3.3 Develop and Reaffirm Safety Requirements

Reaffirm that the safety requirements developed from the shared risk mitigation strategies satisfy the safety objectives. The safety requirements identified must be complete, concise, clear, and necessary at the product level.

5.3.4 Allocate Safety Objectives and Requirements

Allocate the safety objectives and safety requirements, including safety requirements from environmental mitigation, to elements of the CNS/ATM solution. (*Note*: These requirements should be included in the pPRD.) The allocations may require updating based on feedback from other processes (e.g., safety requirements from other OSAs or Memoranda of Understanding between the ATO and Aviation Safety). Allocations may also require updating based on an organization's rejection of responsibilities initially assigned by the OSA. Understanding the interactions of air traffic procedures and airspace characteristics assist in the identification of failures, errors, and combinations of both that contribute significantly to the hazards identified in the OHA.