



GUIDANCE MATERIAL:

RESULTS RECORDS

1 HAZARD TABLE

The following table could be used to support the recording of the assessment of hazards. This table documents:

Hazard Identifier: Unique hazard identifier (ex: H-ACL-12)

Reference takes the form of H-[func]-[#], Where :

- H = Hazard;
- [func], if applicable, is a designator signifying a function of the system, and;
- [#] is a unique integer assigned to each hazard.

Function: name of the analysed function.

This column is not necessary if the list of hazards is presented per function of the system being assessed (instead of a table with all the hazards of all the functions of the system being assessed).

Hazard: for each function, description of hazard identified.

Effect of the hazard on operations: description of hazard effects on operations (ATCO, Flight crew, service provision, ..) including the effect on aircraft operations, considering adverse operational and environmental conditions.

Environmental Conditions: Includes list of reference designators for environmental conditions (mitigation means external to the system being assessed) applicable to substantiate hazard classification. These environmental conditions are requirements that shall be satisfied to operate tolerably safely the system being assessed. If these environmental conditions (requirements) are not satisfied, then the results of the safety assessment are no more valid and should be re-assessed.

For example: ACC or APP, voice as a primary means of communication when assessing Datalink, Radar control, OLDI availability, ...

Severity Class: severity of the worst credible effect or of each hazard effect (if all separately identified) (assuming the listed environmental conditions).

This column content depends on the method chosen to specify Safety Objectives (See Guidance Material G). However, this is not the severity of the hazard itself (as a hazard has no severity).

Rationale/Remarks: rationale/remarks for its classification.

Abnormal event(s) reference: If some scenario of abnormal events have been elaborated in the framework of the system

definition/description, then an additional column could be added as the last column with the reference to the abnormal event(s) (or these references can be put in the Rationale/Remark column) causing that hazard.(ex: AE-ACL-8) This abnormal event reference can be useful to validate the mode of operations, to consolidate safety and performance requirements and to specify Safety Requirements during PSSA.

Hazard Id	Function	Hazard	Effect on operations	Environmental Conditions	Severity Class	Rationale/Remarks

2 SAFETY OBJECTIVES TABLE

The following table could be used to support the recording of the assessment of Safety Objectives. This table documents:

Safety Objective Reference #: Reference takes the form of SO-[func]-[#],
Where :

- SO = safety objective;
- [func], if applicable, is a designator signifying a function of the system, and;
- [#] is a unique integer assigned to each safety objective.

Example: SO-ACL-12.

Safety Objective: Establishes the required threshold of probability of occurrence of the associated hazard.

The description takes the form:

The likelihood of [H-[func]-[#]] shall be no greater than [SO];

Where [H-[func]-[#]] is the hazard description and [SO] the Safety Objective Value as specified according to the method used see Guidance Material G of FHA chapter 3.

Environmental Conditions: Provides reference to the Environmental Conditions (safety requirement(s) bearing on the Operational Environment) necessary for risk mitigation.

Hazard Reference #: Provides backward trace to the hazard associated with the safety objective.

Safety Objective Reference #	Safety Objective	Environmental Conditions	Hazard Reference #