

Best practices in Interface ANSP and NSA in Management of Safety Changes

ES2 WS3-11
Bled 21/22 September 2011

Ivana Bušić
Safety Expert
EUROCONTROL

Key attributes

Timely

Both parties
aware of risk

Consistency

Independence
(Separation)

Efficiency

Procedures/Processes

ANSP

formal safety assessment process in its SMS that includes the requirement, when applicable, to inform the NSA of all relevant safety-related changes.

NSA

formal procedures, agreed with the ANSP, describing the process for notification and acceptance of safety-related changes.

These procedures/processes are to be harmonised. (e.g. scope, timing of notification, timing of review, content, level of assurance, interaction between both parties).

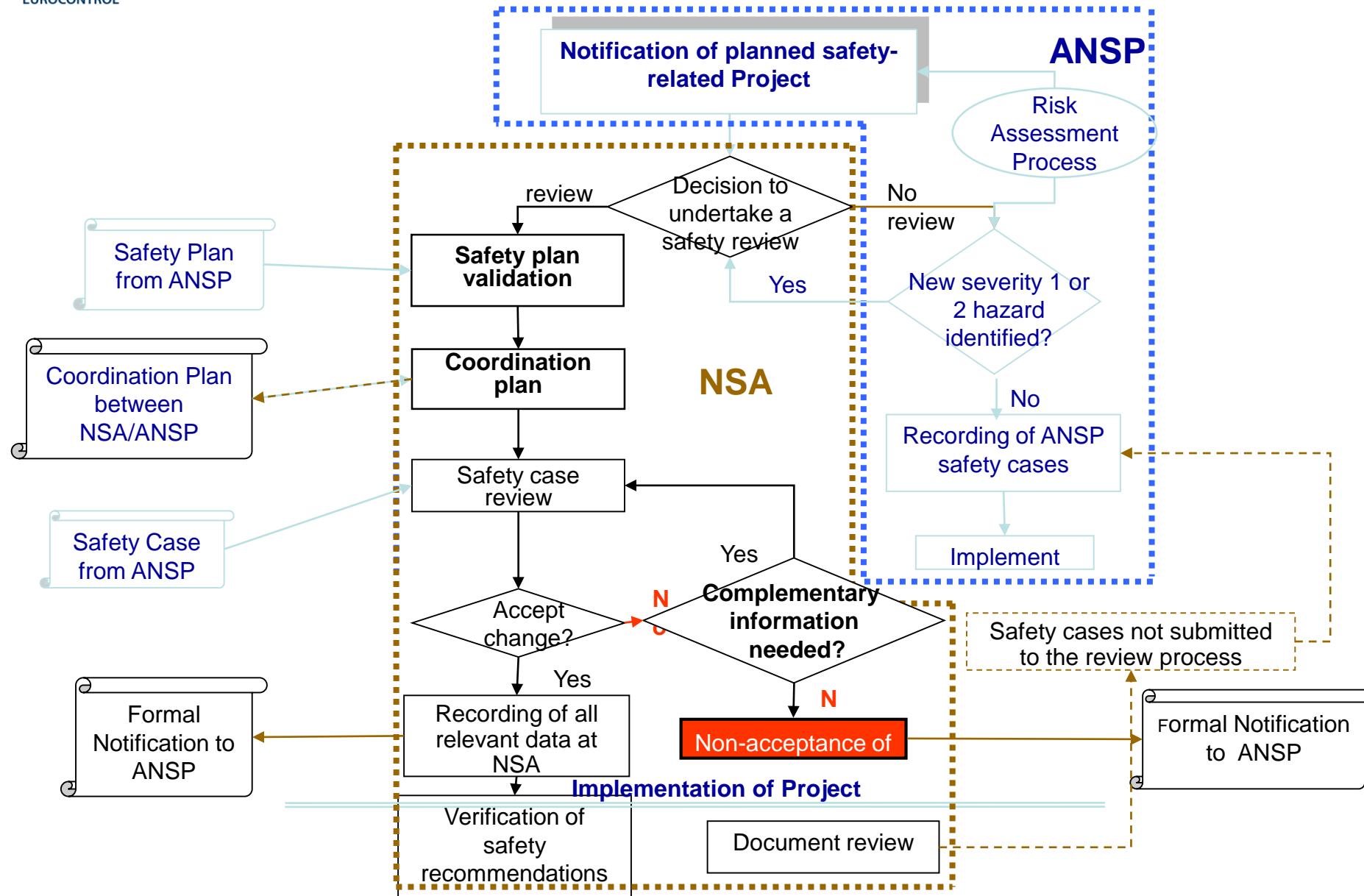
Methodologies

Methodology is proposed by ANSP and accepted by NSA possibly including the right for the ANSP to propose an ad-hoc approach for specific cases.

- Classification of changes as major/minor
- Assessment of major changes
- Assessment of other changes
- ad-hoc methodologies

Ideally in a FAB the methodology for safety assessment is proposed and agreed by all ANSPs in the FAB and accepted jointly by all the NSAs in this FAB

Process - An example from a Large ANSP and NSA



Safety oversight of ATM changes

- designation of a safety analyst;
- safety plan and a coordination plan;
- a review of the safety case;
- a decision by the NSA;
- safety assurance;
- audits.

Notification of changes

Different approaches based on who of the NSA or the ANSP makes the filtering between major/minor change:

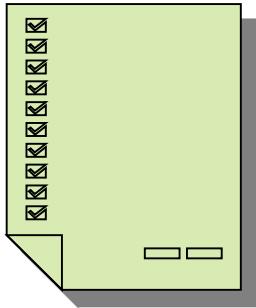
Case 1

NSA informed of all changes, then the NSA has to inform the ANSP of the change classification in terms of major/minor and inform the ANSP accordingly.

Case 2

ANSP notifies NSA of the major changes only. NSA will have to verify through auditing that no major change remained unreported.

Notification of changes-practical arrangements



Form for notification (paper / electronic)

*via a standard template
based on drawn up after
discussion and agreement
of both parties.*

Basic information such as:

- the system affected;
- a high-level description;
- the name of project manager;
- contact details;
- the safety impact;
- the type of safety documentation;
- transition activities and the type of safety documentation for those activities.
- ...

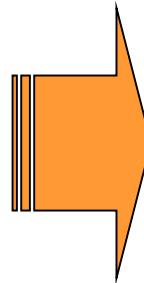
NSA response within XX days (usually 2 weeks to 30 days)

Coordination plan

Based on an ANSP project plan

Agreed by NSA and ANSP

Formalise the framework of the review of the safety case/assessment.



identifies deliverable dates ('acceptance limit point')

Depending of size & scope of change

Review of safety assessments

The ANSP shall provide the safety assessment documentation xx days prior to the planned implementation date.

The NSA will have XX days to notify the ANSP of his decision:

- acceptance of the change;
- a request for additional information;
- partial/conditional acceptance (list the findings);
- non-acceptance of the change (justification).

Questions

