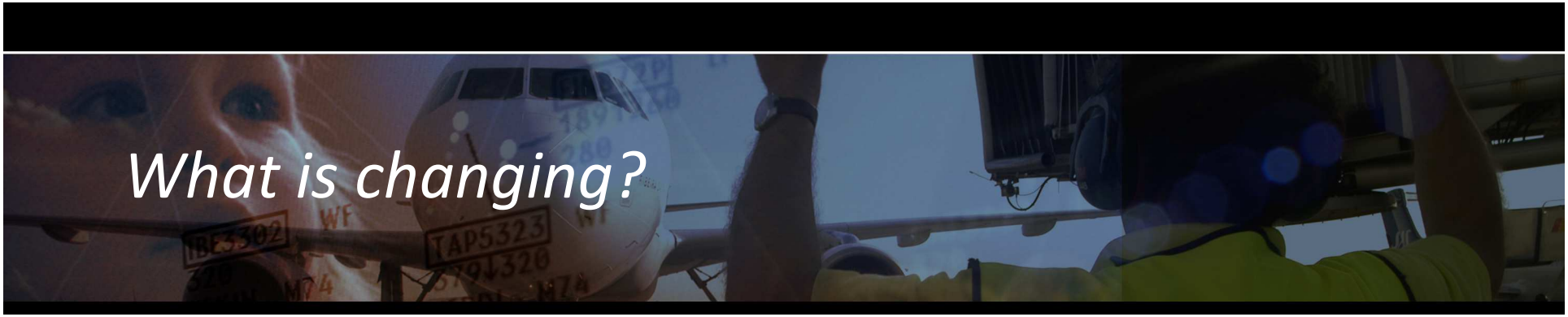
Agenda of the Safety Consideration Session

Project Manager presentation → ***What is changing?*** → **Scope**

Safety Considerations →
- ***What areas of the system are impacted/not impacted?***
- ***What can we put on the table to make the point?***
- ***What equipment/procedures/training will be required?***

→ **Safety Issues** → **Evidence**

Initial Safety Argument →
- ***What activities need to be carried out to produce evidence?*** → **Safety Plan**
- ***What content/structure for the document to be produced for decision makers?*** → **Safety Case**



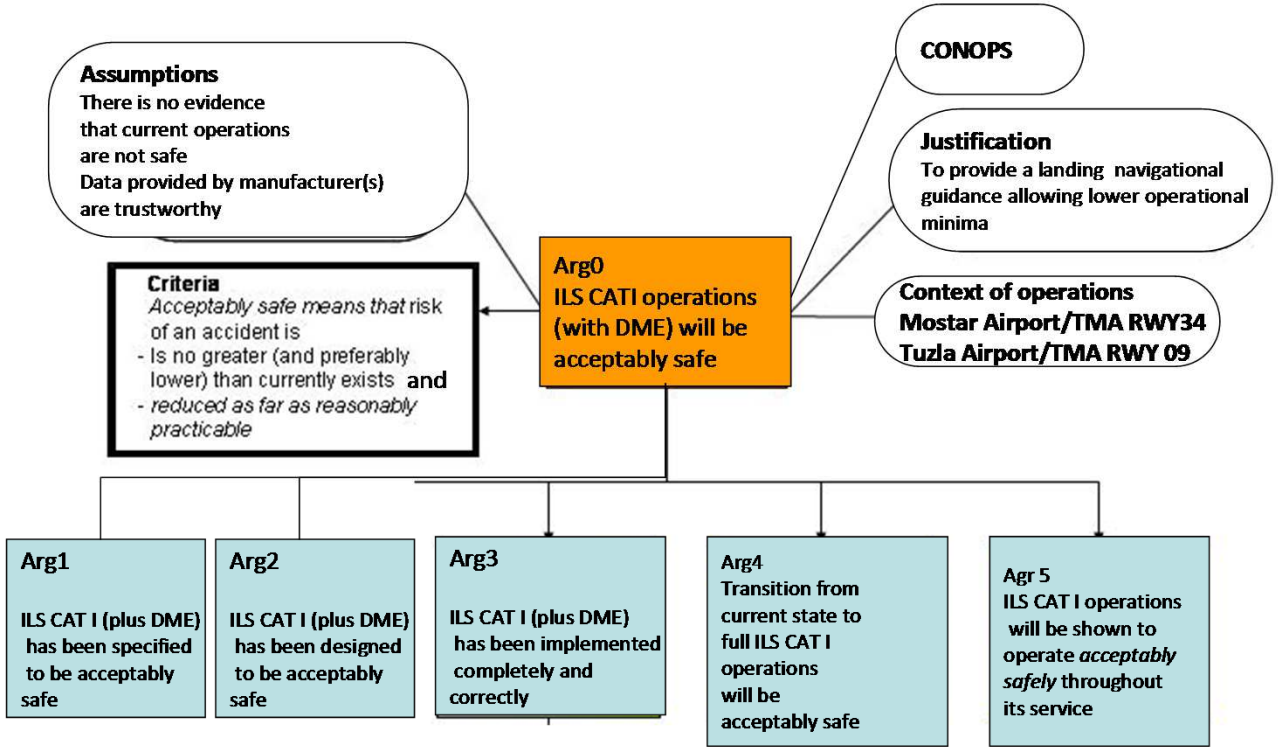
What is changing?

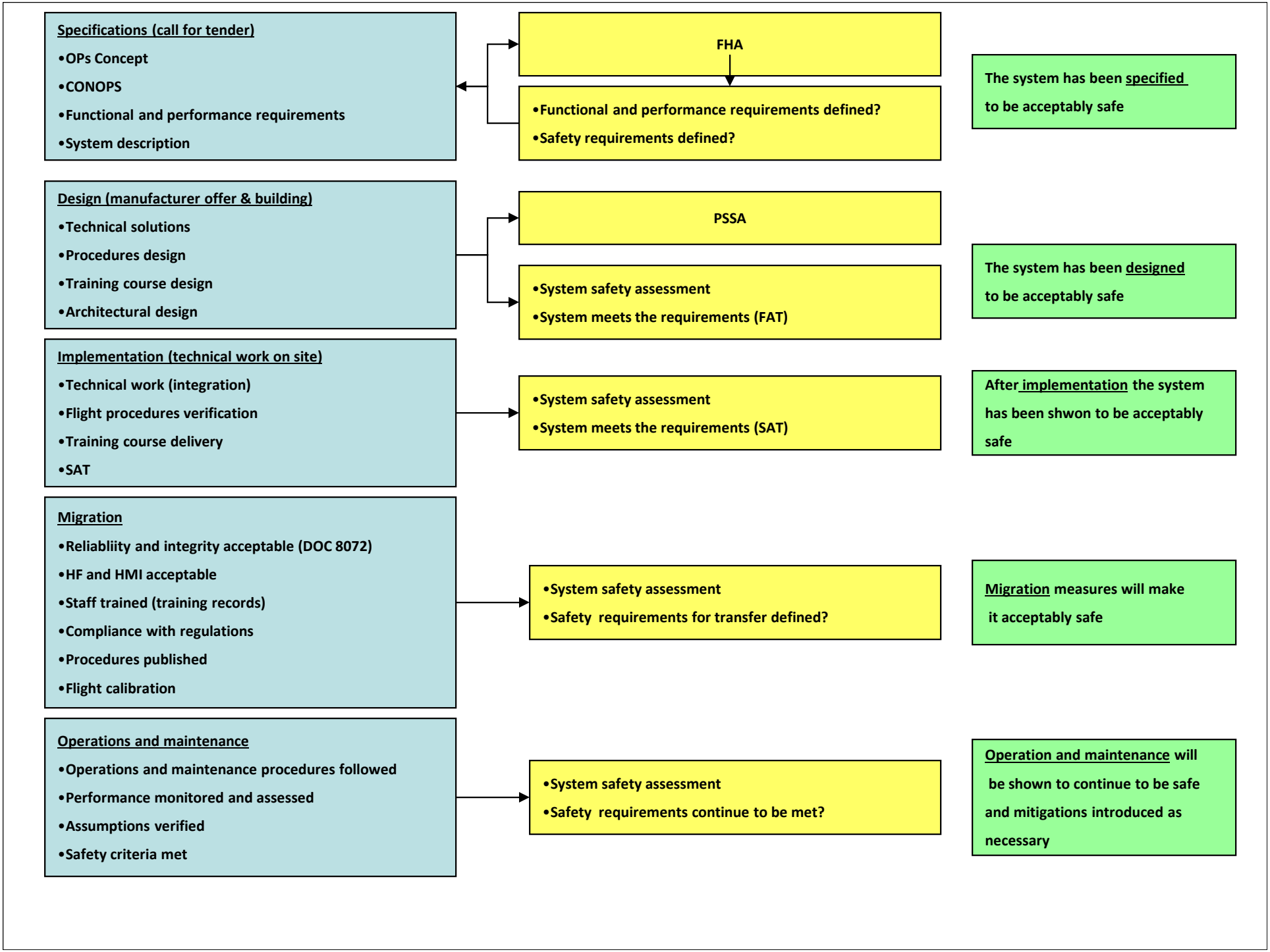
Presentation of the change by Project Manager

Safety considerations

Microsoft Excel
Worksheet

What structure for the document to be produced for decision makers?




Specifications (call for tender)
•OPs Concept
•CONOPS
•Functional and performance requirements
•System description
FHA
•Functional and performance requirements defined?
•Safety requirements defined?
The system has been specified to be acceptably safe
Design (manufacturer offer & building)
•Technical solutions
•Procedures design
•Training course design
•Architectural design
PSSA
•System safety assessment
•System meets the requirements (FAT)
The system has been designed to be acceptably safe
Implementation (technical work on site)
•Technical work (integration)
•Flight procedures verification
•Training course delivery
•SAT
•System safety assessment
•System meets the requirements (SAT)
After implementation the system has been shwon to be acceptably safe
Migration
•Reliabliity and integrity acceptable (DOC 8072)
•HF and HMI acceptable
•Staff trained (training records)
•Compliance with regulations
•Procedures published
•Flight calibration
•System safety assessment
•Safety requirements for transfer defined?
Migration measures will make it acceptably safe
Operations and maintenance
•Operations and maintenance procedures followed
•Performance monitored and assessed
•Assumptions verified
•Safety criteria met
•System safety assessment
•Safety requirements continue to be met?
Operation and maintenance will be shown to continue to be safe and mitigations introduced as necessary

Safety Plan

Ref:	Assurance Requirement	Assurance Objectives	Safety Assurance Activity	Responsibility	Documented Evidence
7.1.1 Safety Criteria	Defined safety criteria for use STCA in ATM operations. [Arg 0].	(1) Show that the criteria by which the safety of STCA in ATM operations can be checked have been defined.	Confirm by review that acceptable criteria have been defined and are consistent with the assurance objectives.	L: ANSP Management D: ANSP Management C: Incident data base and other ANSPS I: Safety Manager	Criteria defined and documented in safety case
7.1.2 Policy	Defined policy justifying the need for STCA. [Arg 0]	(1) Show that a clear and unambiguous policy regarding use of STCA has been produced (2) Show that the policy is consistent with regulatory requirements for safety nets.	Confirm by review that STCA policy exists and that it is consistent with NSA regulatory requirements and EUROCONTROL specification.	L: ANSP Management D: ANSP Management C: NSA I: Safety Manager	STCA Policy and results from review documented in safety case

Role	Responsibility
Lead:	Responsible for ensuring the assurance and evidence is provided
Do:	Responsible for providing assurance and evidence
Consult:	Who should be consulted in the process
Inform:	Who should be informed of the outcome

Responsibility
Safety Case Owner Project Manager
Manufacturer
Head TECH Dept
Safety manager

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Safety Case for the implementation of ILS at airport XX

	[illegible]	:	[illegible]
	[illegible]	:	[illegible]
	[illegible]	:	[illegible]
	[illegible]	:	[illegible]

EUROCONTROL