

Traceability Matrix(Revised) - Company B

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Group members:

Name	Student Nr.
Mathias Nyberg Grønne	201606144
Anders Kjær-Rasmussen	201303705
Omer Reza	201903680
Jakob Dybdahl	201607803
Casper Janerka Ingeberg	201609470
Mads Mørch Antonsen	201606402
Saif Salih	201609346
Nicklas Drejergaard	201608106
Alexander Mølsted	201607814
Rasmus Østergaard Thorsen	201608891
Michael Bro Moseholt	201606904

Revision

Date	Author	Version	Change Description
18-03-2020	OR	1.1	Created the document
26-03-2020	SS	1.2	Updated to fit with SRS v1.2 and Detailed Design Document.
27-03-2020	MM, MG, MA	1.3	Added document id, and Company and case to front page. Page number.

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1 Referenced documents

[1] System Requirements Specification v1.2 (SRS)

2 Traceability Matrix

System requirements are traceable to user needs through the following traceability matrix. The requirements are numbered from 1 to 20. They are taken from the System Requirements Specification v1.2.

Project name:		Baggage Handling Upgrade	Business Area:					
Project Manager:			Business Analysis lead:					
QA lead:			Target implementation date:		January 1. 2021			
Requirement Id.	Category or functional activity	Requirement description	use case reference	Design document reference	Code or module reference	Test case reference	User acceptance validation	Comments
R1	Mandatory	Regardless of mechanical errors, operational faults, etc. no baggage must be able to go through the extension without having been security approved.						

R2	Mandatory	Baggage, from the point of entry, to the point of additional screening, must pass at least 70 seconds to allow for manual inspection of a previously taken x-ray image.						
R3	Mandatory	From passing additional screening until reaching the entry point of manual inspection, at least 30 seconds must pass.						
R4	Mandatory	The insecure baggage in the CrisBag totes are conveyed through two additional screening machines. The machines are foreseen to be of type SecureScreen RX 5001. (The machines are not included in this supply), but a software interface must be made.						
R5	Mandatory	Baggage can manually be removed from the system through one Offset workstation. Afterwards they can manually be transported to the search room Ultimate Control Area to complete the security process.						

R6	Mandatory	<p>Space constraints for the ultimate control area are listed below. Specified areas are as per below:</p> <p>Search office: 15m² (6m x 2.5m)</p> <p>Destruction area: 10m² (5m x 2m, with free high 3m)</p> <p>See figure 2 for space constraints area diagram.</p>						
R7	Mandatory	Baggage rejected or with no result at first screening (prior to the extension) must be routed to Additional Screening Area..						
R8	Mandatory	Baggage checked in the additional screening machine, must wait for the final result from the operator of the Level 3 X-Ray Screening.						
R9	Mandatory	It shall be possible to manually load cleared baggage back to the system at the manual handling areas.						
R10	Mandatory	It must not be possible to send non-empty totes on the transport section in the manually handling area, between the offloading of the bags and the onloading of the bags.						

R11	Mandatory	Secure baggage is re-introduced to the system through one dedicated workstation.						
R12	Mandatory	Baggage rejected after the additional screening must be safely manually moved by airport personnel to the search office.						
R13	Mandatory	Reintroduced baggage is manually loaded onto an empty tote. The baggage and tote are associated by using a hand-held scanner or keyboard.						
R14	Mandatory	Regarding requirement 8. Rejected baggage is sorted to the manual handling area for inspection. Cleared baggage is sorted to their planned destination.						
R15	Mandatory	The system must be operational starting September 1st 2020.						
R16	Mandatory	The system must be ready for public use on January 1st 2021.						
R17	Mandatory	All components must comply to European regulations for industrial electrical components						

R18	Mandatory	Baggage must be unloaded from the CrisBag totes onto the conveyor belt for the SecureScreen RX 5001 machines.						
R19	Mandatory	In regards to requirement 18, once the baggage has been through the SecureScreen RX 5001, the baggage must automatically be placed back into the same CrisBag tote, as it originally came from.						
R20	Mandatory	In regard to requirement 18 and 19, the empty CrisBag totes must be transported to the end of the SecureScreen RX 5001 machines, using as few traditional CrisBag conveyors as possible.						