TAM-00-ALL-v03-20210407		THE CRISBAG® AIRPORT PRODUCT LINE	Business Area:				
Project manager:		Tristan	Business Analysts lead:				
QA load:		Jesper	Target implmentation date:				

Requirement ID	Technical requirement ID	Category or functional activity	Requirement description	Stage reference (See ConOps)	Design document reference	Code or module reference	Test case reference	User acceptance validation	Comments
R1	T1	Security and privacy requirement	No baggage must be able to go through the area without having been security approved.	S3 ConOps-01-00-TM_MJ_MD_JB-v01-20211003	DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS3, TS6		
	T24	System quality factors	The system must be able to track 100% of all the baggage loaded onto the system.	S1 ConOps-01-00-TM_MJ_MD_JB-	DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	TS1		
	T25	System quality factors	The system must include the ability to test each section of the new upgrade to identify any issues.		DDD-01-00-MJ_TM-v01-20012021	ALL	TS1 - TS7		
	T26	System quality factors	The system must be able to be maintained without stopping the complete system if the maintenance area doesn't cover both tracks.		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS1 - TS7		
	T27	Personnel-related requirements	The system must be able to be operated by individually trained personal.	S3 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407, TRS-01-20210407	TS6		
	T19	System internal data requirements	Every stored personal information about luggage should be kept in according to GDPR regulations.		DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	N/A		
	T20	System internal data requirements	The data stored in the system should be backed up to an off-site location each 24 hours.		DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	N/A		
	T29	Packaging requirements	The system components must be marked with an unique ID upon delivery.		DDD-01-00-MJ_TM-v01-20012021	N/A	N/A		
	T5	Packaging requirements	Upon delivery, an overview of the system component with IDs and internal relationship between the components must be included		DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	N/A		
R2	T2	Adaptation requirements	From the point of entry, to the point of additional screening, there must pass at least 70 seconds (to allow for manual inspection of a previous taken x-ray image)		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS1		
	T18	System external interface requirements	The system upgrade must be able to interface with the external baggage handling system, which already is in place.		DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	TS1, TS7		
	T22	Computer resource requirements	The system software must be able to be implemented on the already existing servers.		DDD-01-00-MJ_TM-v01-	TRS-01-20210407	N/A		
	T23	Computer resource requirements	The servers that holds the system software can be upgraded if this is deemed necessary.		DDD-01-00-MJ_TM-v01-	TRS-01-20210407	N/A		
R3	T3	Adaptation requirements	From passing additional screening until reaching entry point of manual inspection, at least 30 seconds must pass.		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS5		
R4	T4	Security and privacy requirement	The screening machines in the CrisBag are foreseen to be of type SecureScreen RX 5001 (The machines are not included in this supply).	S2 ConOps-01-00-TM_MJ_MD_JB-v01-20211003	DDD-01-00-MJ_TM-v01-20012021	RX5001-01-20210407	TS3		
	T6	System internal interface requirements	The screening machines must have a software interface (included in this supply)		DDD-01-00-MJ_TM-v01-	SMS-01-20210407	TS3		

R5	T7	Safety requirements	Bags can manually be removed from the system through one offset workstation. They can then be manually transported to the search room and destruction area to complete the security process	S3 ConOps-01-00-TM_MJ_MD_JB-v01-20211003	DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
	T21	Safety requirements	If an unexpected blockage of the system occurs, the system should stop immediately to avoid any personal or property damage.		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	N/A		
	T28	System external interface requirements	There must be dedicated workstations/offsets where baggage can be manually removed.	S3 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
R6	T8	System environment requirements	The search office has the limited space for a maximum 15m²with the dimensions: 6m x 2.5m and height 3m		DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
	T9	System environment requirements	The destruction area has limited space for a maximum 10m²with the dimensions: 5m x 2m and height 3m		DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
R7	T10	Design and construction constraints	Items rejected at first screening (prior to the extension), or with no result supplied, must be routed to Additional Screening Area	S1 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS1, TS2, TS3		
R8	T11	System capability requirements	Items rejected in the additional screening machine, must wait for the final result from the operator	S2 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS3		
	T12	System capability requirements	Items rejected from the operator are sorted to the manual handling area for inspection.	S3 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS3		
	T13	System capability requirements	Items cleared from the operator are sorted to their planned destination.	S4-ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS6, TS7		
R9	T14	Design and construction constraints	It shall be possible to load cleared items back to the system at the manual handling areas.		DDD-01-00-MJ_TM-v01-	WS-01-20210407	TS6		
R10	T15	Security and privacy requirements	It must not be possible to send full totes through the manual handling area.		DDD-01-00-MJ_TM-v01-	WS-01-20210407	TS6		
R11	T16	Design and construction constraints	Secure bags are re-introduced to the system through one dedicated workstation after being manually searched and cleared.		DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
	T17	Design and construction constraints	After being manually searched and cleared, bags are loaded to an empty tote and associated by a hand-held scanner	S3 ConOps-01-00-TM_MJ_MD_JB-v01-20211003	DDD-01-00-MJ_TM-v01-20012021	WS-01-20210407	TS6		
	T36	System external interface requirements	Scan, location and state of all totes are monitored in by the system and accessible by on-site operators	S3 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	N/A		
R12	T31	Security and privacy requirements	The unsecure bags in the CrisBag totes are conveyed to the additional screening machines where they are leaving the tote system before going through the screening machines	S2 ConOps-01-00-TM_MJ_MD_JB-v01-	DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS2, TS3		
	T32	Adaptation requirements	The system must discharge all baggage from a tote to a traditional conveyor line before reaching the screening machine		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS2		

	T33	Adaptation requirements	The system must register the discharge of all baggage when discharged from a tote		DDD-01-00-MJ_TM-v01-20012021	TRS-01-20210407	TS2		
	T34	Adaptation requirements	Upon completed screening, the baggage must be reloaded into the tote system		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS4		
	T35	Adaptation requirements	The conveyor line going through the screening machine must be traditional conveyor lines		DDD-01-00-MJ_TM-v01-20012021	TC-01-20210407	TS2, TS3, TS4		