| TraceabilityMatrix-00-ALL-v02-20210704 | | THE CRISBAG® AIRPORT PRODUCT LINE | Business Area: | | |
|---|---|---|---|---|---|
| Project manager: | | Tristan | Business Analysts lead: | | |
| QA load: | | Jesper | Target implmentation date: | | |

| Requirem ent ID | Technical requirem ent ID | Category or functional activity | Requirement description | Stage reference (See ConOps) | Design document reference | Code or module reference | Test case reference | User ac-ceptance 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 | | | |
| | 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- | TBD | N/A | | | |
| | T25 | System quality factors | The system must include the ability to test each section of the new upgrade to identify any issues. | | TBD | N/A | | | |
| | 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 | | | |
| | 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 | | | |
| | 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 | | | |
| | 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 | | | |
| | T29 | Packaging requirements | The system components must be marked with an unique ID upon delivery. | | TBD | 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 | | | |
| 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 | | | |
| | 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 | | | |
| | T22 | Computer resource requirements | The system software must be able to be implemented on the already existing servers. | | TBD | N/A | | | |
| | T23 | Computer resource requirements | The servers that holds the system software can be upgraded if this is deemed necessary. | | TBD | 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 | | | |
| 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 | | | |
| | 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 | | | |

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| 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 | | | |
| | 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 | | | |
| | 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 | | | |
| 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 | | TBD | N/A | | | |
| | T9 | System environment requirements | The destruction area has limited space for a maximum 10m²with the dimensions: 5m x 2m and height 3m | | TBD | N/A | | | |
| 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 | | | |
| 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 | | | |
| | 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 | | | |
| | 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 | | | |
| 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 | | | |
| 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 | | | |
| 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 | | | |
| | 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 | | | |
| | 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-v01-20211003 | DDD-01-00-MJ_TM-v01-20012021 | TRS-01-20210407 | | | |
| 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-v01-20211003 | DDD-01-00-MJ_TM-v01-20012021 | TC-01-20210407 | | | |
| | 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 | | | |

| 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 | | | |
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| 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 | | | |
| 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 | | | |