



OFA 05.01.01 Final Safety and Performance Requirements

Document information

Project Title	AirPort Operations Centre definition (APOC)
Project Number	06.03.01
Project Manager	EUROCONTROL
Deliverable Name	OFA 05.01.01 Final Safety and Performance Requirements
Deliverable ID	D147
Edition	00.03.02
Template Version	03.00.00

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Abstract

This document is the second edition of the Safety and Performance Requirements (SPR) for Operational Focus Area (OFA) 05.01.01 – related to the Airport Operations Management SESAR operational concept.

The SESAR Solution #21 'Airport Operations Plan and AOP-NOP Seamless Integration' consists of a set of airport performance services and a suite of enabling applications to maintain performance in normal, adverse and exceptional operating conditions. The Solution is grounded in two new services: Steer Airport Performance - establish the performance goals and KPI thresholds - and Monitor Airport Performance - monitor current and forecast performance against the goals and automatically trigger a warning to ATM stakeholders if predefined thresholds are exceeded. The AOP is linked to the NOP and provides the data to facilitate these goals.

The full Airport Operations Management concept developed within OFA05.01.01 envisages two additional new services that have not yet reached maturity, namely the ability to Manage Airport Performance and to Perform Post-Operations Analysis. This SPR captures the requirements pertaining specifically to Solution #21 as well as to the full airport operations management concept.

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Rational for rejection
None.

Document History

Edition	Date	Status	Author	Justification
00.02.02	14/09/2016	Draft		Internal review
00.03.00	03/10/2016	Final		Final Edition
00.03.01	09/11/2016	Final after SJU comments		Final Edition after SJU comments clarification
00.03.02	25/11/2016	Final after SJU 2 nd round of comments		Final edition after SJU 2 nd round of comments clarification

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Executive summary

This document is the last edition (Ed 3.0) out of three iterations of the Safety and Performance Requirements (SPR) related to the Airport Operations Management (OFA 05.01.01) of the SESAR operational concept.

It defines the SESAR Step 1 performance requirements associated to the Predictability, Efficiency and Flexibility Key Performance Areas (KPA) impacting mostly Airport Operations Management and other KPAs impacting in a second stage like Safety, Security, Environment. This SPR edition constitutes an update of the SPR Edition 2.0 (Ed. 31 March 2015), based on the outcome from OFA 05.01.01 V3 Validation Exercises and a Safety Assessment task.

This document combined the outcome from five validation exercises (VP-010, VP-513, VP-549, VP-669, VP-757 under P6.3.1 coordination as OFA 05.01.01 editor, and one validation exercise (VP-749) under P13.2.3 coordination as OFA 05.03.04 (Enhanced ATFCM processes) editor. It is also based on previous produced deliverables by several operational primary projects (P6.5.1, P.6.5.2, P6.5.3, P6.5.4, P6.5.5, P6.6.1, P6.6.2 and P6.3.1).

Compared to the previous edition of the SPR Edition 2[30], this current version contains a number of modifications based on the results of the above-mentioned validation exercises. In particular:

- Refinement of the requirements relating to the passenger process.
- Refinement of TTA associated requirements
- Refinement of the requirements relating to the DCB (runway) management process
- Refinement of De-icing process requirements

Considering the assessed lack of direct safety impact of AOM services onto ATM functions, complex ATM models at logical level (with elements performing ATM functions) are not deemed relevant for use to derive safety requirements. Only those directly derived from the Safety Assessment have been included.

A logical approach is rather followed, relying on best practices to maximise adequate actions by information provision to users and to minimize potential errors or failures, resulting in a consolidated set of safety requirements.

Meanwhile as according to the OFA 05.01.01 Operational Service and Environment Definition ATC Controllers ("Executive Controller, Tower Ground Controller, Tower Delivery Controller, Tower Runway Controller) are attributed an active role in Monitor Airport Performance and Manage Airport Performance services, the impact on Controllers' operational tasks, working methods and situational awareness deserves a comprehensive safety and human factors assessment. Such assessment has not been developed in this report, assuming that such direct interactions with Executive ATC is in fact not intended as part of the AOM concept (based on actions at Planning and Supervisors level), so the OSED should be revised accordingly.

This document contains the SPR related to SESAR solution #21 **Airport Operations Plan and AOP-NOP Seamless Integration**'. The solution covers the services:

- **Steer Airport Performance** – establish the performance goals and KPI thresholds; and
- **Monitor Airport Performance** – monitor performance against the goals. The monitoring system automatically triggers a warning or alert to ATM stakeholders if predefined thresholds are exceeded

And the enabling tools:

- **AOP – the Airport Operations Plan.**
- **Landside Processes**
- **Integration of MET data**

Requirements in this SPR are presented in sections that facilitate the identification of the solution #21 coverage.

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1 Introduction

1.1 Purpose of the document

This Safety and Performance Requirements (SPR) document provides the safety and performance requirements for Services related to the operational processes defined in Operational Focus Area (OFA) 05.01.01 – Airport Operations Management – Operational Service and Environment Definition document (OSED) Edition 4 [31].

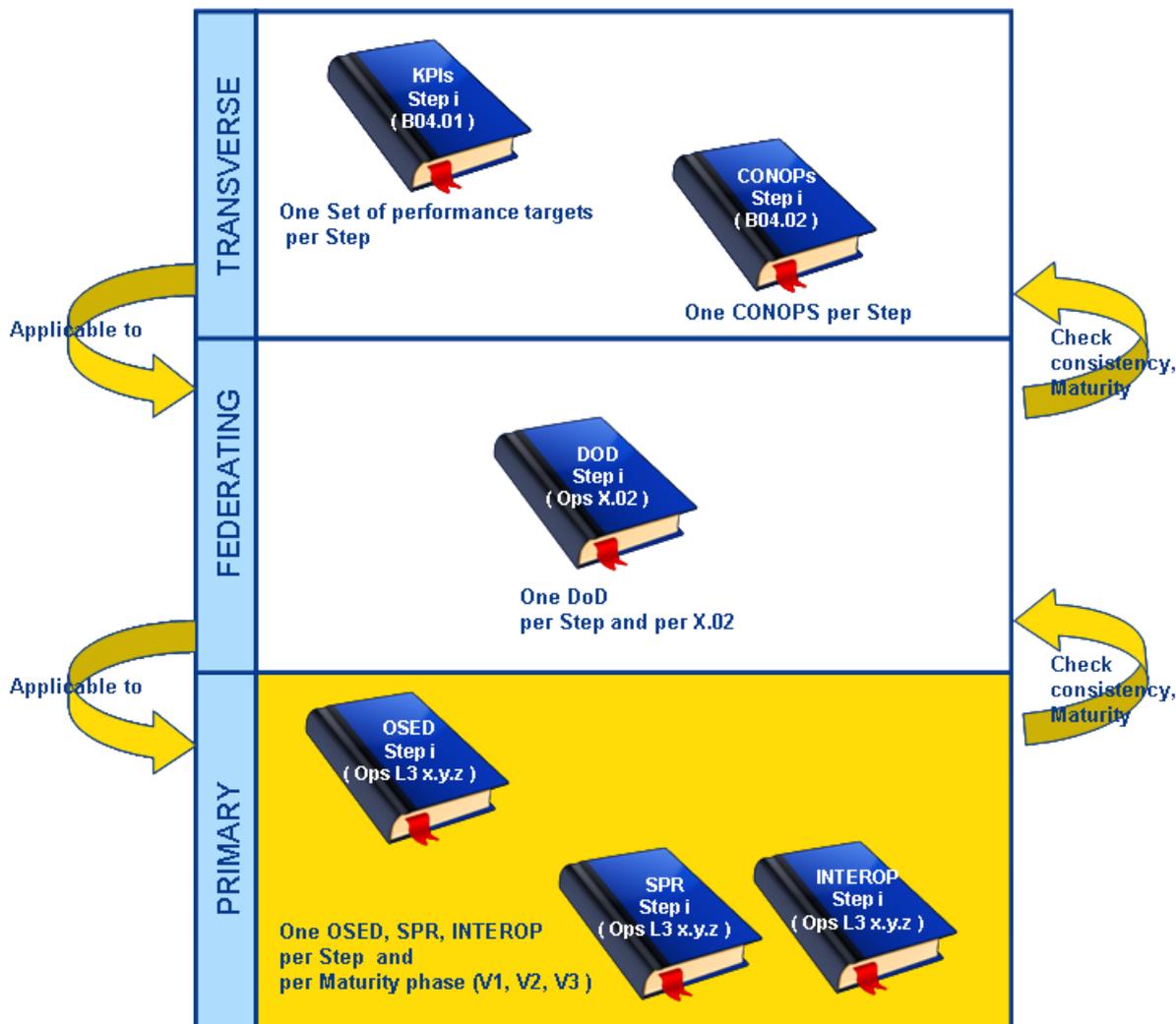
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A logical approach is rather followed, relying on best practices to maximise adequate actions by information provision to users and to minimize potential errors or failures, resulting in a consolidated set of safety requirements.

1.2 Scope

This document supports the operational services and concept elements identified in the Operational Service and Environment Definition (OSED) Edition 4 of OFA 05.01.01 – Airport Operations Management [16]. These services are expected to be operational (IOC) in the 2017-2020 timeframe.

Figure 1 shows where the SPR fits with regards to the other SESAR documents.



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Figure 1: SPR document with regards to other SESAR deliverables

In Figure 1, the Steps are driven by the OI Steps addressed by the project in the Integrated Roadmap document [15].

The safety and performance requirements for OFA 05.01.01 will be produced in three major iterations. This version of the document is the second iteration covering the results of available V2 and V3 validations not covered within the first edition. A third iteration of the document will be delivered in June 2016 along with updated OSED and INTEROP documents in line with the results of the remaining validation exercises.

1.3 Intended readership

The intended audience for this SPR is:

- All the operational projects in OFA 05.01.01¹:
 - Project 06.03.01 – The Airport in the ATM environment
 - Project 06.05.03 – Airport capacity and flow management
 - Project 06.05.04 – AirPort Operations Centre (APOC) definition
 - Project 06.05.05 – Integration of MET Data into APOC processes
 - Project 06.06.02 – Integration of airport – airline/ground handlers – ATC processes (incl. turnaround) in ATM
- All the system projects in OFA 05.01.01²:
 - Project 12.02.01 – Runway Management tools
 - Project 12.06.02 – The Airport Operations Plan (AOP), decision support tools and conflict detection tools to be integrated in APOC for managing the overall performance of the airport
 - Project 12.06.03 – Enhanced MET-systems with CDM
 - Project 12.06.07 – AMAN, SMAN and DMAN fully integrated into CDM processes
 - Project 12.06.08 – Introduction of the UDPP and collaborative departure sequence
 - Project 12.06.09 – Integration of CDM in the SWIM environment
 - Project 12.07.03 – Airport Performance Assessment and Management Support Systems
 - Project 12.07.05 – Improved weather information systems
- The following projects and Sub-Work Packages:
 - Project 07.06.01 – Collaborative NOP
 - Sub-Work Package 11FW.00 – Flight and Wing Operations Centres
 - Sub-Work Package 11M.00 – Meteorological Services (MET) Co-ordination & Management
- The following transversal projects:
 - B05 – Performance analysis of ATM Target Concept
 - WP16.6 – Transversal Areas coordination and support function

1.4 Structure of the document

This document is structured as follows:

- Chapter 1, the current chapter, introduces the document;

¹ Project 06.05.01 – Airport operations plan definition – does not appear in this list as it is proposed for closure.

² Project 12.04.01 – Baseline for airport controller tools – does not appear in this list as it is proposed for closure.

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- Chapter 2 summarises the operational concept on which this SPR is built. The information is based on the OFA 05.01.01 OSED [16];
- Chapter 3 lists the safety and performance requirements for OFA 05.01.01, including their traceability to the operational requirements from the OSED [16];
- Chapter 3.11 lists the reference and applicable documents;
- Appendix A provides the draft safety assessment and the operational performance assessment that were performed to produce the safety and performance requirements;

1.5 Background

Building on the outcome of OFA 05.01.01 V3 Validation Exercises and a re-assessment of the Safety for OFA 05.01.01, the current edition is an update of SPR Edition 2 in alignment with the OSED Edition 4.

1.6 Glossary of terms

Term	Definition	Source
Actual In-Block Time (AIBT)	The actual date and time when the parking brakes have been engaged at the parking position.	EUROCONTROL ATM Lexicon [4]
Actual Start up Approval Time (ASAT)	Time that an aircraft receives its start-up approval.	EUROCONTROL ATM Lexicon [4]
Actual Take Off Time (ATOT)	The time that an aircraft takes off from the runway (Equivalent to ATC ATD – Actual Time of Departure, ACARS = OFF)	EUROCONTROL ATM Lexicon [4]
Additional Stakeholder	Any airport stakeholder who is addressed by the APOC Supervisor or the Assigned Stakeholder to support the performance management or the recovery from adverse condition.	Project 06.05.04
Ad-hoc Post Operations Analysis report	This type of Post Operations Analysis report is a dedicated report that has been triggered based on a specific occurrence and decided by any airport stakeholder which defines the content and all necessary parameters. Airport stakeholders may comment individually or after a common analysis which may be triggered, depending on the complexity and sensitivity of the report.	OFA 05.01.01 OSED [16]
Administrator Airport System (AAS)	The Administrator Airport System (AAS) is the person that amends the rules, KPI / PDI equations, KPI / PDI targets, etc. in the Airport Performance Monitoring Platform. He/she will also fill in the Post-Operations Analysis rules.	OFA 05.01.01 OSED [16]

Term	Definition	Source
Adverse conditions	<p>Any event within the operational envelope of the airport, which has a significant negative impact on operational performance unless appropriate actions are organised.</p> <p><i>Note:</i></p> <p><i>This definition encompasses adverse weather conditions.</i></p> <p><i>In most cases, the airport capacity will be affected. However, other Key Performance Areas may also be impacted (e.g. the predictability of operations may decrease). The consequence of adverse conditions at an airport may be arrival and departure delays and / or flight cancellations. In many cases, the ATM Network will also suffer from the disruption.</i></p>	EUROCONTROL ATM Lexicon [4]
Adverse weather conditions	<p>Degraded weather condition: a condition which might have a significant negative impact on airport performance unless a proper response is organized (i.e. the selection of an airport operating mode to respond to given degraded conditions and eventually the use of additional airport resources such as de-icing/anti-icing services). This would be the case when visibility is poor and/or in case of freezing conditions, precipitations, etc.</p>	EUROCONTROL ATM Lexicon [4]

Term	Definition	Source
<p>Airport Collaborative Decision Making (Airport CDM or A-CDM)</p>	<p>A concept which aims at improving Air Traffic Flow and Capacity Management (ATFCM) at airports by reducing delays, improving the predictability of events and optimising the utilisation of resources.</p> <p><i>Note:</i></p> <p><i>Implementation of Airport CDM allows each Airport CDM Partner to optimise their decisions in collaboration with other Airport CDM Partners, knowing their preferences and constraints and the actual and predicted situation.</i></p> <p><i>The decision making by the Airport CDM Partners is facilitated by the sharing of accurate and timely information and by adapted procedures, mechanisms and tools.</i></p> <p><i>The Airport CDM concept is divided in the following Elements:</i></p> <ul style="list-style-type: none"> • <i>Information Sharing</i> • <i>Milestone Approach</i> • <i>Variable Taxi Time</i> • <i>Pre-departure Sequencing</i> • <i>Adverse conditions</i> • <i>Collaborative Management of Flight Updates</i> 	<p>EUROCONTROL ATM Lexicon [4]</p>
<p>Airport Operations Centre (APOC)</p>	<p>A platform/operational structure which pro-actively manages the performance of present and short-term airport operations, giving relevant airport stakeholders a common operational overview of the airport, and allowing them to communicate, coordinate and collaboratively decide on their progress.</p>	<p>EUROCONTROL ATM Lexicon [4]</p>
<p>Airport Operations Plan (AOP)</p>	<p>A single, common and collaboratively agreed rolling plan available to all airport stakeholders whose purpose is to provide common situational awareness and to form the basis upon which stakeholder decisions relating to process optimisation can be made.</p> <p><i>Note:</i></p> <p><i>As well as timely and accurate information, the AOP also contains a robust performance monitoring capability which allows the airport processes to be efficiently managed in real-time. Through its 'rolling' nature, the AOP will ensure that mitigation actions taken by each stakeholder will be based on accurate information with the result of their actions being reflected directly back into the AOP.</i></p>	<p>EUROCONTROL ATM Lexicon [4]</p>

Term	Definition	Source
Airport Performance Baseline	<p>An Airport Performance Baseline (APB) is the set of target values for the KPIs in the Airport Performance Framework. The structure and hierarchy is identical as for the Airport Performance Framework. The baseline is established by the Steer airport performance service and used as guidance for airport operations by the airport management service.</p> <p>It includes:</p> <ul style="list-style-type: none"> • KPIs target values. • PDIs target values. • Thresholds values. 	OFA 05.01.01 OSED [16]
Airport Performance Board (APB)	Seasonal scheduled board that produces high level steering parameters (relevant KPIs and target performance values).	OFA 05.01.01 OSED [16]

Term	Definition	Source
Airport Performance Framework	<p>The Airport Performance Framework is the set of definitions and terminology describing the building blocks used by a group of the Airport community (i.e. Airport Stakeholders) to collaborate on performance management activities. This set of definitions includes the levels in the airport performance hierarchy, the key performance areas, a set of process capability areas, focus areas, performance objectives, indicators, targets, supporting metrics, lists of dimension objects, their aggregation hierarchies and classification schemes. The framework is in line with the ICAO 9883 standard document.</p> <p>It includes:</p> <ul style="list-style-type: none"> • KPIs metrics • DPIs metrics • Thresholds type (minimum, maximum or both) and number of threshold levels (1, 2, 3... levels) • Rules (trade-off criteria, priorities...) • Alerts type • Warning type <p>Current Airport Performance Framework: Airport Performance Framework + Airport Performance Baseline.</p> <p>Actual Airport Performance Framework: It includes the actual figures of the KPIs and PDIs included in the Airport Performance Framework after the execution of the plan.</p> <p>Initial Airport Performance Framework: It is the starting perspective for the very first Airport Performance Board. It is the Airport Performance Framework as defined in SESAR Project 06.05.01 Deliverables D05/D06 and assessed in Deliverable D07.</p>	OFA 05.01.01 OSED [16]

Term	Definition	Source
Airport Performance Monitoring Platform	<p>“Smart” systems supporting the automated processes in the Monitor Airport Performance Service. The Airport Performance Monitoring Platform contains a calculation/prediction capability defined by its Rules Engine, in order to make comparisons with agreed warning/alert levels and to generate and distribute warning/alert messages to the corresponding stakeholders and to publish/update those calculations/predictions (values) in the AOP (and hence, to the appropriate database).</p> <p>It is important to differentiate between the AOP and the Airport Performance Monitoring Platform. The first one is the principal source of information used by all the airport stakeholders whereas the second one is a tool that supports the monitoring of the actual airport processes and performance, showing information from different sources (the main one is the AOP) in order to provide alerts/warnings to the assigned stakeholders and to enhance the common situation awareness.</p>	Project 06.05.04
Airport slot	A permission given by a coordinator for a planned operation to use the full range of airport infrastructure necessary to arrive or depart at a Level 3 airport on a specific date and time.	IATA Worldwide Slot Guidelines: 4th Edition (www.iata.org/wsg)
Airport Steering Administrator (ASA)	<p>The person responsible for coordinating the stakeholder representatives, the meetings and the documents (revision, supervision and distribution) needed to manage the Steer Airport Performance service.</p> <p>This involves:</p> <ul style="list-style-type: none"> • Identifying and communicating with the stakeholder representatives in the Airport Performance Board (APB) and Operational Steering Board (OSB) • Coordinating/facilitating the Airport Performance Board (APB) and Operational Steering Board (OSB) meetings. • Recording and documenting the board meeting decisions and outcomes. • Circulating the board meeting decision and outcomes for approval. • Publishing the approved board meeting decisions and outcomes. • This person also ensures the communication with the Airport Platform Administrator, Prepare Performance Report and the Airport Operations Centre Supervisor. 	OFA 05.01.01 OSED [16]

Term	Definition	Source
Anti-icing	Precautionary procedure which provides protection against the formation of frost or ice and accumulation of snow or slush on treated surfaces of the aeroplane for a limited period of time (holdover time).	AEA Recommendations for De-icing / Anti-icing Aeroplanes on the Ground [24]
APOC Supervisor	<p>The APOC supervisor (short term and execution phases) will liaise with all APOC participants for the purpose of coordination and arbitration between actors in the management of the Airport Operations Plan (AOP). He will act as a final decision maker in case of issues for which no consensus has been reached. The following roles and responsibilities are identified:</p> <ul style="list-style-type: none"> • Liaison between airport operations and Network, • Liaison between airport stakeholders, • Ensures that total airport overview and information is available to all relevant stakeholders, • Initiates UDPP when appropriate, • Coordinate with the relevant AOP stakeholders on the feasibility of specific airport scenario's, • Ensures that agreed actions are taken by the appropriate stakeholder(s), • Monitors that expected benefits from agreed actions are reached and coordinates any new operational measure if appropriate, • Acts as arbitrator in case mutual agreed decision cannot be made in time, • Updates the AOP with information within the AOP sphere of responsibility. <p><i>Note: in long term and medium term planning phases, this role refers to AOP supervisor.</i></p>	OFA 05.01.01 OSED [16]
Assigned Stakeholder	<p>The stakeholder to whom alerts and warnings are assigned to. He is the one responsible to deal with these alerts and warnings and the one best placed to solve the problem and to take action.</p> <p>By default, the assigned stakeholder is either the APOC supervisor or, depending on the type of event, a pre-defined stakeholder within the APOC. Depending on the process or event the assigned Stakeholder may change if needed.</p>	Project 06.05.04

Term	Definition	Source
Calculated Take Off Time (CTOT)	A time calculated and issued by the appropriate Central Management Unit, as a result of tactical slot allocation, at which a flight is expected to become airborne.	EUROCONTROL ATM Lexicon [4]
Capacity Responsible	<p>The capacity responsible is in charge of setting up and maintaining the capacity of a certain operational infrastructure such as runway, taxiway, TMA or aircraft stand. The capacity responsible interacts with the AOP and DCB in order to keep capacity data up to date. He / She is also responsible for performing evaluation of DCB proposals and for triggering what-if scenarios when needed.</p> <p>The role of capacity responsible can be played, for example, by the Tower Supervisor (execution), by the APOC supervisor (in coordination with TWR supervisor) or TWR supervisor (short term) and AOP supervisor (in coordination with the operational chief of the TWR) in medium term..</p>	Project 06.05.03
De-icing	Procedure by which frost, ice, slush or snow is removed from an aeroplane in order to provide clean surfaces.	AEA Recommendations for De-icing / Anti-icing Aeroplanes on the Ground [24]
De-icing Coordinator	A function or a person responsible for coordinating the de-icing operations performed by De-icing Unit Operators.	Project 06.06.02
De-icing Unit Operator	The De-icing Unit Operator operates the de-icing equipment and is responsible for the correct execution of de-icing/anti-icing procedures on a specific aircraft as well as the communication of the start of the holdover time to the pilot in command of that aircraft.	Project 06.06.02
Drive up time	The driving time in minutes between two locations for a de-icing unit.	Project 06.06.02
Estimated In-Block Time (EIBT)	The estimated time that an aircraft will arrive in-blocks. (Equivalent to Airline/Handler ETA – Estimated Time of Arrival).	EUROCONTROL ATM Lexicon [4]
Estimated Landing Time (ELDT)	The estimated time that an aircraft will touchdown on the runway (Equivalent to ATC ETA– Estimated Time of Arrival = landing).	EUROCONTROL ATM Lexicon [4]
Estimated Off-Block Time (EOBT)	The estimated time at which the aircraft will commence movement associated with departure.	EUROCONTROL ATM Lexicon [4]
Estimated Take Off Time (ETOT)	Forecast of time when aircraft will become airborne taking into account the EOBT plus EXOT.	EUROCONTROL ATM Lexicon [4]

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Term	Definition	Source
Estimated Taxi Out Time (EXOT)	The estimated taxi time between off-block and take-off. This estimate includes any delay buffer time at the holding point or remote de-icing prior to take off.	EUROCONTROL ATM Lexicon [4]
Fixed planning window	Time span in the De-Icing Management Tool (DIMIT) HMI (grid view) where automatic re-planning of de-icing units shall not be made.	Project 06.06.02
Flexible planning window	Time span in the De-Icing Management Tool (DIMIT) HMI (grid view) where automatic re-planning of de-icing units is made.	Project 06.06.02
Holdover time (HOT)	Estimated time during which the de-icing/anti-icing fluid will prevent the formation of frost or ice and the accumulation of snow on the protected surfaces of an aeroplane during specified weather conditions.	AEA Recommendations for De-icing / Anti-icing Aeroplanes on the Ground [24]
Minimum Turn-Round Time (MTTT)	The minimum turn-round time agreed with an AO/GH (aircraft operator/ground handler) for a specified flight or aircraft type.	EUROCONTROL ATM Lexicon [4]
Network Operations Plan (NOP)	A set of information and actions derived and reached collaboratively both relevant to, and serving as a reference for, the management of the Pan-European network in different time frames for all ATM stakeholders, which includes, but is not limited to, targets, objectives, how to achieve them, anticipated impact.	EUROCONTROL ATM Lexicon [4]
Operational Steering Board (OSB)	Regularly (monthly) scheduled board that produces detailed steering parameters (KPIs and PDIs for the KPAs defined in the APB and performance values that should trigger warnings and alerts).	OFA 05.01.01 OSED [16]
OSB agreed parameters	See Current Airport Performance Concept in Airport Performance Framework.	OFA 05.01.01 OSED [16]

Term	Definition	Source
Overall Impact Message	<p>The Overall Impact Message is an output of the Assess Overall Impact process in the APOC. It describes the disruption for which the alert / warning / event report has been generated: it contains:</p> <ul style="list-style-type: none"> • A message identifier; • The identifier, code and description of the alert / warning / event report; • The probability of occurrence, duration and location of the disruption; • The name of the stakeholder responsible for addressing the alert / warning / event report; • The name(s) of the other stakeholder(s) affected by the disruption • When possible, any relevant information from the past related to comparable situations / conditions; • The forecasted impact on affected KPIs; • The severity level allocated to the disruption. 	OFA 05.01.01 OSED [16]
Performance Driver Indicator (PDI)	<p>A Performance Driver Indicator (PDI) is a measure that directly affects an outcome or achievement of a Key Performance Indicator (KPI). PDI is a performance metric that is associated with a preceding step in a value stream or business process. It will contribute directly to a KPI and may be a component in the way the KPI is calculated.</p>	OFA 05.01.01 OSED [16]
Post Operations Analysis Platform	<p>System and procedure to perform analysis of the airport performance during the Post Operations Analysis phase based on the OSB Agreed Parameters defined by the Steer Airport Performance service.</p>	Project 06.06.01
Practical Capacity	<p>The Practical Capacity is the number of aircraft operations during a specified time corresponding to tolerable level of average delay.</p>	OFA 05.01.01 OSED [16]
Pre-defined solution table	<p>Table containing a set of data providing guidance to the airport stakeholders involved in the management of adverse conditions.</p> <p>A pre-defined solution table is built on past experience (post operations analysis), on situations when a similar solution was adopted and allowed a successful and efficient management of the disruption and an expeditious return to normal operations.</p>	Project 06.06.01

Term	Definition	Source
Saturation Capacity	The expected (“average”) number of runway operations (takeoffs and landings) that can be performed in one hour without violating ATC rules, assuming continuous aircraft demand. It can be calculated per runway and traffic type (arrival/departure).	OFA 05.01.01 OSED [16]
Scheduled Off-Block Time (SOBT)	The time that an aircraft is scheduled to depart from its parking position.	EUROCONTROL ATM Lexicon [4]
Shadow flight	Flight created in the De-Icing Management Tool (DIMIT) for training purposes.	Project 06.06.02
SID	A designated instrument flight rule (IFR) departure route linking the aerodrome or a specified runway of the aerodrome with a specified significant point, normally on a designated ATS route, at which the en-route phase of a flight commences.	EUROCONTROL ATM Lexicon [4]
Target Off-Block Time (TOBT)	The time that an Aircraft Operator or Ground Handler estimates that an aircraft will be ready, all doors closed, boarding bridge removed, push back vehicle available and ready to start up / push back immediately upon reception of clearance from the Tower Controller.	EUROCONTROL ATM Lexicon [4]
Target Start up Approval Time (TSAT)	The time provided by ATC taking into account TOBT, CTOT and/or the traffic situation that an aircraft can expect start-up / push-back approval.	EUROCONTROL ATM Lexicon [4]
Target Take Off Time (TTOT)	Time taking into account the Target Start Up Approval Time (TSAT) plus the Estimated Taxi-Out Time (EXOT).	EUROCONTROL ATM Lexicon [4]
Target Time of Arrival (TTA)	An ATM computed arrival time. It is not a constraint but a progressively refined planning time that is used to coordinate between arrival and departure management applications.	EUROCONTROL ATM Lexicon [4]
Unit allocation algorithm	Algorithm to allocate de-icing units to de-icing assignments.	Project 06.06.02
Variable Taxi Time (VTT)	The estimated time that an aircraft spends taxiing between its parking stand and the runway or vice versa.	EUROCONTROL ATM Lexicon [4]

Table 1: list of definitions

1.7 Acronyms and Terminology

Term	Definition
A/C	Aircraft

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Term	Definition
AAS	Administrator Airport System
ACARS	Aircraft Communications Addressing and Reporting System
ACZT	Actual Commencement of De-Icing Time
ADEP	Aerodrome of Departure
ADES	Aerodrome of Destination
ADIT	Actual De-Icing Time
AEA	Association of European Airlines
AEZT	Actual End of De-Icing Time
AGHT	Actual Ground Handling Time
AIBT	Actual In-Block Time
AIM	Accident Incident Model
AIS	Aeronautical Information Service
ALDT	Actual Landing Time
AO	Aircraft Operator
AOA	Aircraft-on Airport
AOBT	Actual Off-Block Time
AOP	Airport Operations Plan
APB	Airport Performance Baseline
APB	Airport Performance Board
APOC	AirPort Operations Centre
APZT	Actual Positioned for De-icing Time
ARDT	Actual Ready Time
ARZT	Actual Ready for De-icing Time
ASA	Airport Steering Administrator
ASAT	Actual Start up Approval Time
ASRT	Actual Start up Request Time
ATC	Air Traffic Control

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Term	Definition
ATCO	Air Traffic Control Officer
ATD	Actual Time of Departure
ATFCM	Air Traffic Flow and Capacity Management
ATM	Air Traffic Management
ATMS	Air Traffic Management System
ATOT	Actual Take Off Time
ATS	Air Traffic Services
ATTT	Actual Turn Around Time
ATV	Airport Transit View
AU	Airspace User
AXIT	Actual Taxi In Time
AXOT	Actual Taxi Out Time
BIM	Benefit and Impact Mechanism
CDM	Collaborative Decision Making
CTA	Calculated Time of Arrival
CTOT	Calculated Take Off Time
DCB	Demand Capacity Balancing
DIMT	De-Icing Management Tool
DIWT	De-Icing Waiting Time
DOD	Detailed Operational Description
DPI	Departure Planning Information
ECZT	Estimated Commencement of De-Icing Time
EDIM	Enhanced De-Icing Management
EDIT	Estimated De-Icing Time
EEZT	Estimated End of De-Icing Time
EIBT	Estimated In-Block Time
ELDT	Estimated Landing Time

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Term	Definition
EOBT	Estimated Off-Block Time
ERDT	Estimated Ready Time
ERZT	Estimated Ready for De-icing Time
ETA	Estimated Time of Arrival
ETOT	Estimated Take Off Time
ETTT	Estimated Turn Around Time
EXIT	Estimated Taxi In Time
EXOT	Estimated Taxi Out Time
FIR	Flight Information Region
FPL	Flight Plan
FUM	Flight Update Message
GH	Ground Handler
HMI	Human Machine Interface
HOT	Hold Over Time
IATA	International Air Transport Association
ICAO	International Civil Aviation Organisation
ID	Identifier
IER	Information Exchange Requirement
IFR	Instrument Flight Rules
IOC	Initial Operational Capability
KPA	Key Performance Area
KPI	Key Performance Indicator
MET	Meteorology
METAR	METEorological Aerodrome Report
METSP	Meteorological Supervisor
MTTT	Minimum Turn Around Time
NM	Network Manager

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Term	Definition
NOP	Network Operations Plan
OFA	Operational Focus Area
OI	Operational Improvement
OPA	Operational Performance Assessment
OSB	Operational Steering Board
OSED	Operational Service and Environment Definition
PDI	Performance Driver Indicator
QFE	Atmospheric pressure at a specific field (Q code)
QNH	Atmospheric pressure at sea level (Q code)
REG	Registration
REQ	Requirement
RVR	Runway Visual Range
RWY	Runway
SBT	Shared Business Trajectory
SESAR	Single European Sky ATM Research Programme
SID	Standard Instrument Departure
SNOWTAM	Snow Notice to Airmen
SOBT	Scheduled Off-Block Time
SPR	Safety and Performance Requirements
STAR	Standard Instrument Arrival
SWIM	System Wide Information Management
SWP	Sub-Work Package
TAF	terminal aerodrome forecast
TBC	To Be Completed
THOT	Target Hold Over Time
TIBT	Target In-Block Time
TL	Task Leader

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Term	Definition
TLDT	Target Landing Time
TMA	Terminal Manoeuvring Area
TOBT	Target Off-Block Time
TREND	Short period forecast (part of METAR)
TSAT	Target Start up Approval Time
TTA	Target Time of Arrival
TTOT	Target Take Off Time
TWY	Taxiway
UDPP	User Driven Prioritisation Process
VTT	Variable Taxi Time
WP	Work Package

Table 2: list of acronyms and terms

2 Summary of Operational Concept (from OSED)

2.1 Description of the Concept Element

A fundamental aspect of the future SESAR concept is the evolution toward a performance based ATM system. This notion of performance management is therefore a cornerstone of the future airport concept which foresees an integrated airport management framework, where all major aircraft operators, airport, aerodrome ATC and ground handling processes are conducted using common data sets and agreed procedures within a collaborative environment.

The SESAR Airport Operations Management concept is built upon the Deployment Baseline Airport Collaborative Decision Making (A-CDM) concept and is grounded in four services:

- Steer Airport Performance – establish the performance goals;
- Monitor Airport Performance – monitor performance against the goals;
- Manage Airport Performance – take pro-active action if performance is not in line with the performance goals; and
- Perform Post Operations Analysis – continuous learning cycle; developed for dealing with normal and adverse and/or exceptional operating conditions.

Additionally the SESAR Airport Operations Management concept includes an enhancement of the Deployment Baseline A-CDM concept by introducing de-icing operations as a planned activity with shared time stamps in the short term planning and execution phases.

Today, airport operations planning and management is mostly independent of the controlling processes within the overall ATM network. Only the simplest coordination is undertaken during the planning time frame, resulting in the application of restrictions in real time to balance flow against available capacity. In many cases these are inefficient for all ATM stakeholders and contrary to the interests of the airspace users.

Lack of efficient and coordinated communication between ATM stakeholders prevents efficient resolution of many everyday interruptions to service; for example transient weather conditions. The result is the need for additional resources (inefficiencies) in everything from ground handling resources through to airspace capacity utilisation, in order to accommodate variability in the day-to-day operations.

The SESAR Airport Operations Management view considers the airport as another, rather complex, “sector” (ground level) through which the aircraft passes. Based on the notion of the Airport Transit View, the concept describes the increased scope and timescale of data shared between the Airport and Network as well as improved information sharing between stakeholders through the Airport Operations Plan. Benefits include the improvement of the common awareness amongst stakeholders and better decisions at Network and Airport level for short / medium term planning and tactical operations time frames.

Additionally, the SESAR Airport Operations Management concept introduces automation in support of network and airport performance monitoring, collaborative decision making and post-operations feedback, in order to reduce the number of wasted ‘slots’ (particularly in disruption situations) and therefore increase capacity utilisation both locally and in the wider airspace network.

Experience has shown that better planning and execution of airport and network operations results in an improvement in utilisation of resources, airspace, infrastructure and a reduction of delays. Information sharing between airport operations and network operations will assure the best overall system outcome while paying due attention to the needs of the airport actors, the individual aircraft operators and the Network.

The information at the airport level will be contained in the Airport Operations Plan (AOP) – a single, common and collaboratively agreed rolling plan that will form the single source of airport operations information to all airport stakeholders. Its purpose is to provide common situational awareness and to form the basis upon which stakeholder decisions relating to process optimization can be made. Through its 'rolling' nature, the AOP will ensure that mitigation actions taken by each stakeholder will

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be based on accurate information with the result of their actions being reflected directly back into the AOP.

The information at the network level will be contained in the Network Operations Plan (NOP) – the principle information source to cover the entire network and will integrate the data received from the airport via the AOP mechanisms.

The sharing of appropriate information between the AOP and the NOP will develop from today's Flight Update Message (FUM) and Departure Planning Information (DPI) message exchange as described by Deployment Baseline A-CDM. In the future, the information exchange between the AOP and the NOP will be achieved through SWIM based services e.g. via publish / subscribe mechanisms. It is also important to understand that the information exchange must be 2-way. Not only will local 'knowledge' contained within the AOP be shared with the NOP, where there is a clear network benefit, but also the NOP information (i.e.; the "network perspective") will be shared with the airports, if such information will lead to a local performance enhancement or optimisation.

Under the SESAR concept the AOP will be richer in terms of the information content and will cover an extended time horizon, compared to Deployment Baseline A-CDM. The AOP content will typically start 6 months ahead of operations rather than being restricted to several hours, as is the case with the current systems and procedures.

As well as timely and accurate information, the AOP is supported by a robust performance monitoring capability which allows the airport processes to be efficiently managed in real-time. The SESAR Airport Operations Management elements are aimed at supporting co-operation between all stakeholders at appropriate decision-making stages whilst ensuring a seamless process over the entire planning spectrum, through to execution, and including post-operations analysis.

The airport stakeholders aim at achieving a common business approach through:

- Common airport performance framework – all stakeholders sharing a common performance target;
- Common situational awareness about traffic evolution during the planning and execution phases (inclusive of the arrival, turnaround and departure segments of a flight);
- Collaborative decision making based on an equal acceptance of all stakeholders.

Within the SESAR Airport Operations Management concept, the AOP, linked with the NOP provides the data to facilitate these goals. The Monitor Airport Performance service analyses the forecast performance, using the most currently available data and compared against the agreed performance metrics and targets. The monitoring system automatically generates a warning or alert if predefined trigger levels are passed.

On receipt of a warning or alert, the Manage Airport Performance Service reviews the situation and using support tools, analyses the impact and alternative actions available. The goal of the Manage Airport Performance Service is to pro-actively and collaboratively agree the best course of action required to minimise the predicted performance impact in relation to the agreed performance goals. Once there is an agreed course of action, each stakeholder is responsible for implementing the necessary changes within their area of operation e.g. the airport tower controller would undertake the communication and actions necessary to change the operational runway configuration.

All changes to the data in the AOP, performance metric levels, warnings/alerts and collaborative decisions are recorded for subsequent review or analysis as required for a robust continuous learning management practice.

Depending on the local airport environment and operation, an Airport Operations Centre (APOC) may be established to 'host' the Manage Airport Performance Service described. An APOC, through the APOC Supervisor role, also provides an 'airport focal point' to ensure coordination among the airport stakeholders inclusive of the Network Manager.

De-icing – when needed – will be made a transparent, planned activity in the short term planning and execution phases by the support of a De-Icing Management Tool (DIMT). Starting from A-CDM time stamps the DIMT will produce estimated de-icing time durations for expected de-icings as well as start and end times for de-icing operations. Through the sharing of data with the AOP, de-icing will become a visible element in the Turn Around or Surface Out processes for concerned actors and, as such, will increase common situational awareness and predictability in the Airport Transit View.

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Through the implementation of the SESAR Airport Operations Management concept, the following performance improvements are expected:

- Increase predictability and flexibility of airport operations (integration of airport operations within the network)
 - Contribute to increment flight efficiency
- Better use of existing airport capacity
 - Pro-active management of predicted impacts to normal operations
 - Resilience: effective recovery to normal operations from predicted or unpredicted adverse operating conditions

These improvements may also enhance, indirectly and to a lesser extent, safety (through better predictability and more accurate plans) and environment (through more efficient airport operations).

In summary, the SESAR Airport Operations Management concept aims at improving the European ATM system through integrated planning and execution of air and ground based operations, supported by a robust collaborative management process.

The requirements have been refined with the outcomes of the five validation exercises:

EXE-06.03.01-VP-010, Integrated Validation of the DCB Monitoring & Management Process

EXE-06.06.02-VP-513, De-icing Step 1, DIMT Functionalities in an A-CDM Environment

EXE-06.03.01-VP-549, Integration of landside process information into the AOP

EXE-06.03.01-VP-669, Close out Airport Integration through SWIM

EXE-06.03.01-VP-757 APOC Performance Monitoring & Management

EXE-13.02.03-VP-749 TTA / TTO Management

And a series of Expert Groups and Gaming exercises performed in the context of P06.03.01

2.1.1 Scope of SESAR Solution Airport Operations Plan and AOP-NOP Seamless Integration'

The SESAR Solution #21 '**Airport Operations Plan and AOP-NOP Seamless Integration**' is grounded in two new services developed for dealing with normal, adverse and/or exceptional operating conditions:

- **Steer Airport Performance** – establish the performance goals and KPI thresholds; and
- **Monitor Airport Performance** – monitor performance against the goals. The Monitor Airport Performance service analyses the current and forecast performance using the most recent data and compares it against the agreed performance metrics and targets. The monitoring system automatically triggers a warning or alert to ATM stakeholders if predefined thresholds are exceeded. The AOP is linked to the NOP and provides the data to facilitate these goals.

The new enabling tools and applications to support airport performance are:

- **AOP** – the Airport Operations Plan. A single, common and collaboratively agreed rolling plan that will form the single source of airport operations information shared bi-directionally with all airport stakeholders including the Network Manager. The AOP introduces automation in support of network and airport performance monitoring. Through the use of an AOP, airports stakeholders both generate and receive enhanced information and have better control over their operations through the Airport Transit View (ATV), which links business trajectories between inbound and outbound flights and enhances common situational awareness. Furthermore the AOP assists airspace users and airport operators in becoming active

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participants in the airport arrival management process (TTA) building on the A-CDM baseline concept.

- **Landside Processes** – the Solution extends beyond the airside operating environment and addresses processes within the terminal infrastructure that have a performance impact on flight predictability and efficiency, in this case monitoring the progress of passengers through the airport from check-in to the gate.
- **Integration of MET data** –, new systems are provided in the context of Solution #21 allowing it to integrate with MET data in order to provide enhanced sharing and visualisation of meteorological information, designed to support decision making and increasing common situational awareness. The display of MET information with associated alerts and warnings contributes to better predictability and more efficient decision making within the APOC organisational structure.

The full Airport Operations Management concept developed in SESAR 1 envisages two additional new services that have not yet reached maturity and will be deployed complementary to Solution #21 in the future, namely the ability to **Manage Airport Performance** and to **Perform Post-Operations Analysis**. These are intended to further enhance stakeholder situational awareness, decision making and to quicken recovery from deviations to planned activities.

Requirements in this SPR are presented in sections that follow the above described services and enablers, easing the identification of requirements that are part of the SESAR#21 solution.

2.2 Description of Operational Services

The SESAR Airport Operations Management concept can be described around the four following operational services:

- Steer Airport Performance service;
- Monitor Airport Performance service;
- Manage Airport Performance service;
- Perform Post-Operations Analysis service.

The AOP is a plan providing the information to support the data exchange between all these 4 services.

Figure 2 provides a high level functional view of these services.

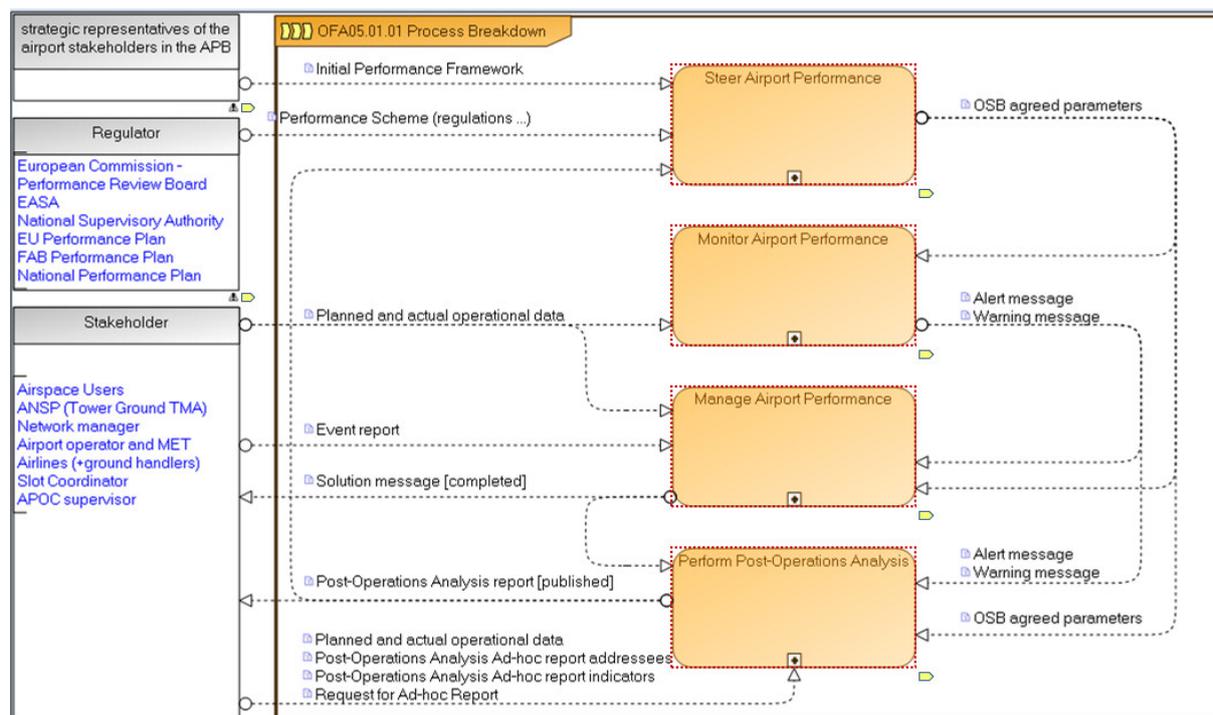


Figure 2: OFA 05.01.01 – high level process breakdown

2.2.1 Steer Airport Performance Service

The Steer Airport Performance service is the service that develops the performance standard (i.e., goals, targets, rules, thresholds, trade-off criteria and priorities) for airport operations and sets an overall strategic direction. Airport stakeholders develop a mutually agreed performance standard in a collaborative manner on the basis of the performance regional and/or national scheme(s) and post operations analysis reports. The Steer Airport Performance service is mainly performed in the long-term planning phase and the post-operations phase but also in the medium-term planning phase.

2.2.2 Monitor Airport Performance Service

The Monitor Airport Performance service is the service that maintains surveillance over airport operations, airport performance (against KPAs), airport environment (e.g. weather monitoring), supervising airport related information and any information that can impact the airport performance, providing observations, forecasts, alerts and warnings against predefined thresholds. It is performed from the medium term planning phase until the execution phase.

This surveillance is based on the performance standard set by the Steer Airport Performance service. The Monitor Airport Performance service compares any new information created or updated in the AOP with the plan and raises warnings or alerts if a deviation is detected.

The Monitor Airport Performance service also provides the airport stakeholders with a common situational awareness of the airport operations processes and performance in real time.

2.2.3 Manage Airport Performance Service

The Manage Airport Performance service instantiates the AOP at the beginning of the medium term planning phase. It uses the operational data provided by the airport stakeholders and the performance standard defined by the Steer Airport Performance service.

In the short term planning phase and the execution phase, the Manage Airport Performance service also assesses the severity of the deviations from the plan detected by the Monitor Airport Performance service and their impact on the airport processes and on the airport performance. The assessment is not only for searching for reactive solutions but also for forecasting severe disruptions or adverse conditions and, hence, to implement a proactive management. It uses the warnings and

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alerts and more generally the data contained in the AOP to make this impact assessment. It also uses event reports from the stakeholders to perform the impact assessment.

Depending on the magnitude of the deviation and the severity of the impact on the airport processes and on the airport performance, the Manage Airport Performance service triggers the relevant collaborative decision making processes. In particular in adverse conditions, these processes take place in the APOC, where the representatives of the airport stakeholders can use simulation and decision support tools. The decisions are driven by the need to maintain an optimal performance level and to recover from a disruption as quickly and efficiently as possible. These processes result in an update of the AOP, made by the relevant airport stakeholders.

2.2.4 Perform Post Operations Analysis Service

The Perform Post-Operations Analysis service records any planned and actual data used in the airport processes during the planning and execution phases.

This information is then used to produce post-operations analysis reports in the post-operations phase. These reports allow the airport stakeholders to:

- Fully understand the airport performance against the performance plan and identify the root causes of any deviation;
- Assess the continued relevance of the performance plan;
- Justify the need to improve the way the airport operations are run;
- Investigate any disruption in the operations;
- Analyse actions and decisions made during the planning and execution phases.

For the most complex and critical post-operations analysis reports, the airport stakeholders collaborate to produce an analysis and reach conclusions that will benefit the overall airport community.

Two kinds of reports may be provided by the Perform Post-Operations Analysis service: standard reports and ad-hoc reports.

2.3 Description of Operational Environment

The SESAR Airport Operations Management concept described in the OFA 05.01.01 OSED [16] is applicable to all the European airports. In particular, all the airports shall implement the four operational services described in section 2.2 and all the airports shall implement an AOP consistent with the NOP.

Depending on the size and complexity of the airport and depending on the impact of the airport operations on the network operations, the airport stakeholders will tailor the concept implementation to their local needs. Their choice will also be driven by the network performance targets that all the European airports will have to comply to.

For example, different implementation options are envisaged for the APOC and its associated processes, from a fully virtual APOC with very limited staff and simple communication means at smallest airports to a physical centre gathering representatives of all the key airport stakeholders, supported by advanced support tools and communication means at major hubs.

The concept described in the OFA 05.01.01 OSED [16] does not make the difference between the different airport needs and implementation options. However, it is assumed that the airport of reference is complex enough to implement the most sophisticated processes and support tools.

3 Requirements

3.1 Performance Requirements Related to AOP general content

3.1.1 AOP General Requirements (AOPG)

[REQ]

Identifier	REQ-06.05.02-SPR-AOPG.0001
Requirement	The AOP shall maintain for each user the list of data that they are permitted to view and shall only display data for which such a “read” permission is granted.
Title	AOP Access Rights
Status	<Validated>
Rationale	To ensure that confidentiality between users is respected
Category	<Security>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0011	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-AOPG.0002
Requirement	The AOP shall maintain a list of Airport Transit Views (ATVs) where inbound and outbound flights are connected using the airframe tail reference as the link key.
Title	AOP Content integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0013	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-AOPG.0003
Requirement	If the arrival flight or the departure flight for an ATV is unknown, the AOP shall clearly indicate this fact to the user. Once the information becomes known then the appropriate ATV shall be updated accordingly.
Title	AOP Content integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

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Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0015	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-AOPG.0004
Requirement	The AOP shall update the ATV when the associated arrival flight or departure flight is known.
Title	AOP Content integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0015	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

3.1.2 Flight Identification and Specification Information (FLID)

[REQ]

Identifier	REQ-06.05.02-SPR-FLID.0001
Requirement	Each ATV which is created shall possess a unique alphanumeric reference code.
Title	AOP Content integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.1007	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLID.0002
Requirement	The user shall be provided with the possibility to select flight related information to be displayed in either IATA or ICAO format or a mixture or all of one type.
Title	AOP User Interface
Status	<Validated>
Rationale	To ensure the usability of the system according to the specific preferences of each user
Category	<HMI>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0201	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0202	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0203	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0204	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0207	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0209	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0211	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLID.0212	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

3.1.3 Flight Progress Information (FLTP)

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0001
Requirement	The flight status associated with each inbound flight within an ATV shall have its value updated no later than one minute after the relevant transition event. This covers notably the following status values : FIR – The aircraft has entered the last FIR before the TMA or Airport Landed/Taxi-In – The aircraft has landed In Block : The aircraft has arrived at the block De-Boarding : the process of de-boarding has started De-Boarding Completed: the process of de-boarding has completed.
Title	AOP Content integrity
Status	<Validated>
Rationale	To ensure that the progress of each flight is accurately reflected in the AOP
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0005	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0006	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0007	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0008	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0009	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0002
Requirement	The flight status associated with each outbound flight within an ATV shall have its value updated no later than one minute after the relevant transition event. This covers notably the following status values : Boarding : the process of boarding has started Boarding Completed : the process of boarding has completed Ready : The aircraft is ready to receive its push-back clearance Off Block / Taxi-out: The aircraft has left the block.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure that the progress of each flight is accurately reflected in the AOP
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0013	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0003
Requirement	The Target Time of Arrival (TTA) shall be displayed as part of the ATV 'inbound' data content with a resolution of 1 minute.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0526	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0005
Requirement	For inbound flights, the AOP shall include the estimated initial approach fix time, estimated landing time and estimated in-block time with a resolution of one minute.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0105	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0201	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0206	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0006
Requirement	For inbound flights, the AOP shall include all point related time 'actual' values to a resolution of 1 minute and the AOP shall be updated no more than one minute after the occurrence of the relevant event. Specifically this shall include: The actual initial approach fix time The actual time at the final approach fix The actual landing time The actual in-block time
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV

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Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0106	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0107	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0108	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0109	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0203	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0207	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0007
Requirement	For inbound flights, the AOP shall include the 'target' times for both landing and in-block to a resolution of 1 minute.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0202	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0205	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0008
Requirement	For flights which have their status set to 'In-Block', the AOP shall contain 'actual' times relating to specific events to a resolution of 1 minute and shall be updated no later than 1 minute after the occurrence of the event. Specifically this shall cover : The actual commencement of ground handling The actual end of ground handling The actual start boarding time
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0208	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0209	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0210	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

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[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0009
Requirement	The AOP shall contain 'target' times relating to specific events to a resolution of 1 minute and these shall be updated no later than 1 minute following a change. Specifically this shall cover: The target off-block time The target start up approval time The target take-off time
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0211	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0210	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0216	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0221	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0010
Requirement	For outbound flights, the AOP shall include all event related time estimates to a resolution of 1 minute. Specifically this shall include: The estimated off-block time The estimated take-off time
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0212	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0222	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-FLTP.0011
Requirement	For outbound flights, the AOP shall include all event related time 'actual' values to a resolution of 1 minute and the AOP shall be updated no more than one minute after the occurrence of the relevant event. Specifically this shall include : The actual ready time The actual off-block time The actual start up request time The actual start up approval time The actual push-back start time

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	The actual push-back end time The actual take-off time and when applicable: The actual commencing de-icing time The actual end de-icing time The actual de-icing time
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency and information quality of each ATV
Category	<Operational>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0213	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0214	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0215	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0217	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0218	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0219	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-FLTP.0223	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-FLTP.0012
Requirement	A first default Impact Assessment related to traffic plan deviations (AIMA) shall be included in each ATV.
Title	AOP flight progress monitoring
Status	<Validated>
Rationale	General definition of the AOP. This Impact assessment takes into account the arrival and departure plan deviations, from early arrivals to reactionary delay covering all the intermediate situations. The trigger for this first default Impact Assessment is 2 hours before the EOBT for both regulated and non-regulated flights.
Category	<Operational>
Validation Method	<Shadow Mode / Live trial>
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.03.01-OSED-FLTP.0110	<Full>
<ALLOCATED TO>	<Functional block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR- FLTP.0013
Requirement	AU shall have access to the Impact assessment (AIMA) and shall be able to interact with it, only on this own flights, by introducing an update to the default assessment.
Title	AOP flight progress monitoring
Status	<Validated>
Rationale	General definition of the AOP. This action will be possible since the Default Impact assessment is issued until the off-block time.
Category	<Operational>
Validation Method	<Shadow Mode / Live trial>

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Verification Method	<Test>
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.03.01-OSED-FLTP.0111	<Full>
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR- FLTP.0014
Requirement	AO shall have access to the Impact assessment (AIMA) and shall be able to interact by introducing an update to the default assessment.
Title	AOP flight progress monitoring
Status	<Validated>
Rationale	General definition of the AOP. This action will be possible since the Default Impact assessment is issued until the off-block time.
Category	<Operational>
Validation Method	<Shadow Mode / Live trial>
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.03.01-OSED- FLTP.0112	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR- FLTP.0015
Requirement	The default impact assessment shall be recalculated and issued after any AOP change affecting it.
Title	AOP flight progress monitoring
Status	<Validated>
Rationale	General definition of the AOP
Category	<Operational>
Validation Method	<Shadow Mode / Live trial>
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.03.01-OSED- FLTP.0113	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A

3.1.4 AOP Landside Process Monitoring (ALRT)

[REQ]

Identifier	REQ-06.05.02-SPR-ALRT.0001
Requirement	The AOP shall include for each outbound flight whose TOBT is less than or equal to 45 minutes from the current time, the percentage of departing passengers who have passed through the security control.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency of the airside and landside processes
Category	<Operational>
Validation Method	<Shadow Mode>
Verification Method	

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6505	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7505	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7506	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.4000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.5100	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-ALRT.0003
Requirement	The AOP shall update the percentage of departing passengers who have passed through the security control every two minutes.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency of the airside and landside processes
Category	<Operational>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6505	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7505	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7506	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.4000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.5100	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-ALRT.0002
Requirement	The AOP shall include for each outbound flight whose TOBT is less than or equal to 45 minutes from the current time, the percentage of departing passengers who have boarded the aircraft.
Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency of the airside and landside processes
Category	<Operational>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6104	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7104	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.4000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.5100	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.02-SPR-ALRT.0004
Requirement	The AOP shall update the percentage of departing passengers who have boarded the aircraft every two minutes.

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Title	AOP Content Integrity
Status	<Validated>
Rationale	To ensure the coherency of the airside and landside processes
Category	<Operational>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6104	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.7104	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.4000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.6110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-ALRT.5100	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

3.1.5 Steer Airport Performance Services

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0001
Requirement	The OSB members shall have real time read and write access to all the elements of the Airport Performance Framework.
Title	Access to Airport Performance Monitoring Platform
Status	<Validated>
Rationale	It allows a regular review and updates of the KPAs, KPIs, PDIs and messages appropriate to the local airport environment and agreed by airport stakeholders. This also allows the OSB to steer the airport performance in an efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0030	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0002
Requirement	The OSB shall be able to define and set in real time the activation dates and times of the KPAs, KPIs, PDIs and messages of the Airport Performance Framework within the Airport Performance Monitoring Platform
Title	Abilities of Airport Performance Monitoring Platform
Status	<Validated>
Rationale	It allows a regular review and updates of the KPAs, KPIs, PDIs and messages appropriate to the local airport environment and agreed by airport stakeholders. This also allows the OSB to steer the airport performance in an efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

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Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0040	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0003
Requirement	The OSB shall be able to define in real time the value against which a warning and/or alert is created in the Airport Performance Monitoring Platform
Title	Handling of Airport Performance Monitoring Platform
Status	<Validated>
Rationale	It allows a regular review and updates of the KPAs, KPIs, PDIs and messages appropriate to the local airport environment and agreed by airport stakeholders. This also allows the OSB to steer the airport performance in an efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0050	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0060	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0004
Requirement	The relevant user of the Airport Performance Monitoring Platform shall be able to define, change and update in real time the format, layout, content, periodicity and addresses of the standardized reporting template
Title	Access and handling the Post Operational Analysis platform
Status	<Validated>
Rationale	This allows the OSB to ensure that a regular post operation analysis is produced in a standard way of reporting. Furthermore it allows a regular review and comparison of the KPAs, KPIs, PDIs and messages according to the actual Airport Performance Framework and the OSB agreed parameters in the Current Airport Performance Framework. It is a base for the APB and the OSB members to set the performance standards (i.e., goals, targets, rules, thresholds, trade-off criteria and priorities) and to steer the airport performance in a reliable, efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0015	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0016	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0017	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0021	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0022	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0005
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Requirement	The relevant user of the Airport Performance Monitoring Platform shall be able to verify and process warning/alert messages in real time to interface with the rules engine
Title	Handling of Airport Performance Monitoring Platform
Status	<Validated>
Rationale	This also allows the OSB to steer the airport performance in an efficient and predictable manner based on processed and verified alerts and warnings.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0070	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0006
Requirement	The relevant user of the Airport Performance Monitoring Platform shall be able to activate or de-activate KPAs, KPIs, PDIs and messages in real time as defined in the Airport Performance Framework.
Title	Abilities of Airport Performance Monitoring Platform
Status	<Validated>
Rationale	It allows a regular review and updates of the KPAs, KPIs, PDIs and messages appropriate to the local airport environment and agreed by airport stakeholders. This also allows the OSB to steer the airport performance in an efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0040	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0007
Requirement	The Airport Steering Administrator shall be able to update in real time on the Airport Performance Monitoring Platform based on the AOP, the KPI/PDI alert/warning threshold level against which a warning and/or alert is created.
Title	Handling of Airport Performance Monitoring Platform
Status	<Validated>
Rationale	It allows a regular review and updates of the KPAs, KPIs, PDIs and messages appropriate to the local airport environment and agreed by airport stakeholders. This also allows the OSB to steer the airport performance in an efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0050	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0060	<Full>

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<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
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[REQ]

Identifier	REQ-06.06.02-SPR-APSO.0008
Requirement	The Operational Steering Board (OSB) shall have real time read and write access to all the elements of the Post Operational Analysis Platform.
Title	Access and handling the Post Operational Analysis platform
Status	<Validated>
Rationale	This allows the OSB to ensure that a regular post operation analysis is produced in a standard way of reporting. Furthermore it allows a regular review and comparison of the KPAs, KPIs, PDIs and messages according to the actual Airport Performance Framework and the OSB agreed parameters in the Current Airport Performance Framework. It is a base for the APB and the OSB members to set the performance standards (i.e., goals, targets, rules, thresholds, trade-off criteria and priorities) and to steer the airport performance in a reliable, efficient and predictable manner.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0015	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0016	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0017	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0021	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0022	<Full>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

3.1.6 Monitor Airport Performance Services

3.1.6.1 General Performance Requirements

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0010
Requirement	The user of the Airport Performance Monitoring Platform shall have real time access to the list of data corresponding to the KPIs, PDIs and KPAs
Title	Airport Performance Framework
Status	<Validated>
Rationale	It facilitates an actual and reliable common situational awareness of the airport operations
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0010	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0020
Requirement	Each user of the Airport Performance Monitoring Platform shall be granted in real time read and write access to the data according to the locally defined rules

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Title	Airport Performance Framework
Status	<Validated>
Rationale	It facilitates an actual and reliable common situational awareness of the airport operations
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0010	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0030
Requirement	The AAS shall be informed by the AOP in real time if the Rules Engine does not contain all the data defined by the Steer Airport Performance Service
Title	Airport Performance Data
Status	<Validated>
Rationale	This requirement ensures that any omission in the Rules Engine content is detected, improving reliability of the data for doing the value calculations
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0030	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0040
Requirement	The AAS shall be informed by the AOP in real time if the Rules Engine does not calculate KPI or PDI values according to the time frame defined by the Steer Airport Performance Service
Title	Rules Engine
Status	<Validated>
Rationale	This requirement ensures that the Rules Engine contains the information for the calculation of performance values in the right time frame, improving accuracy of the calculated value at any time
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0040	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0080	<Partial>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0050
Requirement	The AAS shall be informed by the AOP in real time if the periodicity of the KPI or PDI calculation does not occur in the Medium Term Planning time frame defined by the Steer Airport Performance Service
Title	KPI Calculation

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Status	<Validated>
Rationale	This requirement ensures the regular update of KPIs according to actual operational data available in the AOP, improving the common situation awareness at any time
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0050	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0080	<Partial>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0060
Requirement	The AAS shall be informed by the AOP in real time if the periodicity of the KPI or PDI calculation does not occur in the Short Term Planning time frame defined by the Steer Airport Performance Service
Title	KPI Calculation
Status	<Validated>
Rationale	This requirement ensures the regular update of KPIs according to actual operational data available in the AOP, improving the common situation awareness at any time
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0060	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0080	<Partial>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0070
Requirement	The AAS shall be informed by the AOP in real time if the periodicity of the KPI or PDI calculation does not occur during the Execution Time frame defined by the Steer Airport Performance Service
Title	KPI Calculation
Status	<Validated>
Rationale	This requirement ensures the regular update of KPIs according to actual operational data available in the AOP, improving the common situation awareness at any time
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0070	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0080	<Partial>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0080
Requirement	The AAS shall be informed by the AOP in real time if the Rules Engine does

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	not contain a comparison rule for alerts and warnings per each KPI
Title	Rules Engine
Status	<Validated>
Rationale	This requirement ensures that any omission in the Rules Engine content is detected, improving the reliability in the classification of alerts and warnings
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0090	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0090
Requirement	The AAS shall be informed by the AOP in real time if the periodicity of the comparison of calculated values against warning or alert values does not occur in the time frame defined by the Steer Airport Performance Service
Title	Rules engine
Status	<Validated>
Rationale	This requirement ensures to identify any deviation from the KPI threshold values and alert level at the moment they occur to take immediate action
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0100	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0110	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0110
Requirement	The AAS shall be informed by the AOP in real time if the Rules Engine does not contain all the publishing rules defined by the Steer Airport Performance Service
Title	Airport Performance Framework
Status	<Validated>
Rationale	This requirement ensures that stakeholders are aware if they are affected by an alert or warning at the time it occurs
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0120	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0140	<Partial>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0120
Requirement	The AAS shall be informed by the AOP in real time if the periodicity of the KPI or PDI publication does not occur in the time frame defined by the Steer Airport Performance Service

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Title	Performance Monitoring
Status	<Validated>
Rationale	To ensure that the Post Operations Analysis Service produces the reports using reliable information, as defined by OSB
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0130	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0140	<Partial>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0171
Requirement	The user of the Airport Performance Monitoring Platform shall be granted read and write access in real time to the alerts and warnings display
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	Alerts and warnings that require consideration and/or action are visible to the relevant stakeholder
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0230	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0180
Requirement	The Rules Engine shall calculate the Performance Metrics, Alerts and warnings according to the rules defined by the Steer Airport Performance Service
Title	Rules Engine
Status	<Validated>
Rationale	It ensures the reliability of the calculated metrics that are provided to stakeholders
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0240	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0250	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0190
Requirement	The AAS shall be informed by the AOP immediately if the Rules Engine does not calculate all the AOP elements as defined by the Steer Airport Performance Service
Title	Rules Engine

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Status	<Validated>
Rationale	This requirements ensures that any omission in the Rules Engine content is detected, improving reliability of the calculated data before its publication
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0250	<Partial>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0200
Requirement	The Airport Performance Monitoring Platform shall contain the rules to allocate alerts and warnings messages on KPIs and PDIs to the relevant affected stakeholder as defined by the Steer Airport Performance Service
Title	Warning and Alert Message distribution rules
Status	<Validated>
Rationale	To ensure that alerts and warnings are received by the appropriate stakeholder in order to take immediate action
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0260	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0270	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0280	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0210
Requirement	The AAS shall be informed immediately by the AOP if the Rules Engine does not define the KPI/PDI threshold values to produce alerts and warning messages as defined by the Steer Airport Performance Service
Title	Distribute Warning and Alert Message
Status	<Validated>
Rationale	Alerts and warning messages will follow a standardized format in order to avoid misinterpretations
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0290	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0300	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0220
Requirement	The AAS shall be able to assess in real time that the elements of the AOP are updated with the periodicity defined by the Steer Airport Performance

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	Service
Title	Distribute Warning and Alert Message
Status	<Validated>
Rationale	To ensure the common situation awareness of stakeholders in case they need to take immediate action by the time an alert or warning is detected
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0310	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0230
Requirement	The AAS shall be informed immediately by the AOP if the information provided by external systems does not contain all the elements as defined by the Steer Airport Performance Service
Title	Common Situation Awareness
Status	<Validated>
Rationale	To ensure reliability and completeness in the data provided to airport Stakeholders
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0320	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0330	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0340	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0350	<Full>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

3.1.6.2 Monitor Airport Performance Service HMI requirements

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0130
Requirement	The user of the Airport Performance Monitoring platform shall be provided in real time an interpretable visual display of calculated values and alert/warning messages, as defined by the Steering Airport Performance
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	Improve the common situation awareness of Stakeholders through common rules for the display of the information
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0150	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0160	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0140
Requirement	The user of the Airport Performance Monitoring platform shall have in real time a display access to the KPI and PDI values during the medium term planning time frame as defined in the Rules Engine (e.g. information as an operational day display showing forecast values of KPI and PDI).
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	The information provided to Stakeholders will be consistent during all phases forming and supporting the common situation awareness.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0170	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0150
Requirement	The user of the Airport Performance Monitoring platform shall be able to have on demand in a reasonable delay (e.g. one second) a display of the KPI and PDI values during the short term planning time frame as defined in the Rules Engine
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	The information provided to Stakeholders will be consistent during all phases
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0180	<Full>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-APMO.0160
Requirement	The user of the Airport Performance Monitoring platform shall be able to have on demand in a reasonable delay (e.g. one second) a display of the KPI and PDI values during the execution time frame as defined in the Rules Engine
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	The information provided to Stakeholders will be consistent during all phases
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0190	<Full>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

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Identifier	REQ-06.06.02-SPR-APMO.0170
Requirement	The user of the Airport Performance Monitoring platform shall be provided in real time with a standardised display of alerts and warnings, as defined in the Steer Airport Performance Service
Title	Performance Monitoring HMI
Status	<Validated>
Rationale	Improve the common situation awareness among Stakeholders through common rules for the display of the information
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0200	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-APMO.0210	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

3.1.7 Performance MET Requirements

3.1.7.1 MET Requirements related to Steer Airport Performance

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0001
Requirement	The relevant user of the Steer Airport Performance Service shall be able to set/define and adjust in an acceptable time frame, all the MET parameter thresholds in the rules engine used for MET alert triggering during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The Operational Steering Board needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0013	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0030	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0031	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0016	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0017	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0002
Requirement	The relevant user of the Steer Airport Performance Service shall be able to set and adjust the subscription criteria for the airport for each service

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	contract related to the provision of MET data in the OSB meetings (after consultation with the MET Service provider).
Title	MET Data provision
Status	<Validated>
Rationale	The different aspects of the MET data will have completely different Quality of Service and time horizon criteria which will have to be set by the OSB.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0021	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0003
Requirement	The relevant user of the Steer Airport Performance Service shall be able to give regular informal feedback to the MET service provider about the use and quality of MET data.
Title	Informal Feedback
Status	<Validated>
Rationale	Establish good communication to improve the data
Category	<Operational><Performance><Reliability>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0030	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0031	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0015	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0017	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0019	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0022	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.3035	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.3101	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0010
Requirement	The Steer Airport Performance Service shall set/define and adjust the displayed parameters during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The Operational Steering Board needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0016	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0018	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3015	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0011
Requirement	The relevant user of the Steer Airport Performance Service shall be able to set/define and adjust the time resolution of each MET parameter displayed in each HMI during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The OSB needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0017	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0018	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0019	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0022	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0012
Requirement	The Steer Airport Performance Service shall set/define and adjust the time span of each MET parameter displayed in each HMI during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The OSB needs to be able to adjust parameter thresholds and HMI Displays

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	on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0016	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0018	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0019	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3015	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0013
Requirement	The Steer Airport Performance Service shall set/define and adjust the service subscription parameters for the specific MET service, observed and forecast during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The OSB needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0013	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0030	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0016	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0017	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0014
Requirement	The Steer Airport Performance Service shall set/define and adjust the time resolution of the provided MET forecast data during the OSB meetings, advised by a MET Service provider if necessary.

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Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The OSB needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0030	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0031	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0016	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0023	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3015	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0015
Requirement	The Steer Airport Performance Service shall set/define and adjust the areas around the airport where probabilistic thunderstorm forecasts are provided by the MET service provider during the OSB meetings, advised by a MET Service provider if necessary.
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The OSB needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET4.3014	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

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[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0016
Requirement	The OSB shall be informed in real time through the Airport Performance Monitoring Platform in the event that one of the MET data is not available in the system or out of date (i.e. update rate of MET data is not according to the requirement)
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The Operational Steering Board needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0011	<Partial>
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<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0017
Requirement	By default, the time resolution of the provided MET forecast data should be 1 value every hour, from current time to 6 hours ahead and then 1 value every 3 hours beyond, providing this is applicable along with physical and technological restrictions
Title	Steering the use of MET Parameter
Status	<Validated>
Rationale	The Operational Steering Board needs to be able to adjust parameter thresholds and HMI Displays on a regular basis
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information	N/A

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[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0018
Requirement	The MET service contract subscription criteria shall include as a minimum the spatial area, time horizon, and Quality of Service.
Title	Met Data provision
Status	<Validated>
Rationale	The different aspects of the MET data will have completely different Quality of Service and time horizon criteria which will have to be set by the OSB.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0021	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0019
Requirement	The time horizon defined in the MET service contract subscription criteria shall at least reach from observation to 48 hours in the future or if not possible to the maximum time horizon.
Title	Met Data provision
Status	<Validated>
Rationale	The different aspects of the MET data will have completely different Quality of Service and time horizon criteria which will have to be set by the OSB.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.3101	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0020
Requirement	From +48h onward, in the event that the AOP provides a reduced set of MET data in reduced resolution covering the first part of the medium term planning phase as defined and adjusted by the Steer Airport Performance Service, the OSB shall be able to adjust the time span on a regular basis (months to years).
Title	MET Data provision
Status	<Validated>
Rationale	The different aspects of the MET data will have completely different Quality of Service and time horizon criteria which will have to be set by the OSB.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0021	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.3101	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0021
Requirement	The OSB shall be able to adjust the time span of the time horizon defined in the MET service contract subscription criteria on a regular basis (months to years).
Title	Met Data provision
Status	<Validated>
Rationale	The different aspects of the MET data will have completely different Quality of Service and time horizon criteria which will have to be set by the OSB.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0021	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

3.1.7.2 MET Requirements related to Monitor Airport Performance

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0004
Requirement	The user of the Airport Performance Monitoring platform shall receive immediately an automatic alert in case alerts/warnings cannot be generated by the rules engine due to its malfunctioning
Title	Rules Engine with MET data
Status	<Validated>
Rationale	Check if the automatic monitoring of the MET data is performed correctly by the monitor airport performance process using the rules engine
Category	<Functional><Operational><Performance><Reliability>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0024	<Partial>
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<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0005
Requirement	Only the MET Service Provider shall have the ability to manually override the MET alerts and warnings generated by the Rules Engine
Title	METSP overrides Rules Engine Alerts and warnings
Status	<Validated>
Rationale	Only the METSP needs to have the ability to correct alerts and warnings if the automatic system fails to provide accurate data. This is especially true for forecast data, where the METSP might recognize developments which an automated system cannot comprehend thus far.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0032	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0022
Requirement	The user of the Airport Performance Monitor platform shall be able to see in real time the indication of a manual overwriting of MET alerts and warnings.
Title	METSP overrides Rules Engine Alerts and warnings
Status	<Validated>
Rationale	Only the METSP needs to have the ability to correct alerts and warnings if the automatic system fails to provide accurate data. This is especially true for forecast data, where the METSP might recognize developments which an automated system cannot comprehend thus far.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

3.1.7.3 MET Requirements related to Perform Post Operation Analysis Service

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0006
Requirement	Where MET Data is retained locally for post operations analysis, the retention time shall be set and adjusted by the Steer Airport Performance Service in the OSB meetings.
Title	Steering the use of MET Data in Post ops
Status	<Validated>
Rationale	Retention time determines how much data needs to be recorded. This shall be set by the Steer Airport Performance Service.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0025	<Partial>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0007
Requirement	The Post Operations Analysis Service shall always have access to the ICAO Annex 3 compliant products (METAR, MET REPORT, TREND, TAF, aerodrome warnings), wind (speed, gust and direction; observations and forecast), visibility and RVR (observation and forecast), significant weather (Precipitation, Thunderstorm; observation and forecast), other present weather (observation and forecast), clouds and vertical visibility

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	(observation and forecast), atmospheric pressure (observation and forecast), air temperature (observation and forecast), dew point temperature (observation and forecast), adverse weather conditions (observation and forecast), de-icing conditions (observation and forecast), thunderstorm and electric storm warning (observation and forecast).
Title	Steering the Content of MET Data in Post ops
Status	<Validated>
Rationale	Fast access to a reliable data shall be granted for accurate Post Ops analysis.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0026	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET1.0028	<Partial>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0023
Requirement	The MET data available for the Post Operations Analysis Service shall have a granularity of 30 minutes to be able to recreate the MET situation and perform post operational analysis.
Title	Steering the Content of MET Data in Post ops
Status	<Validated>
Rationale	Fast access to a reliable data shall be granted for accurate Post Ops analysis.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0024
Requirement	At any time in the past the MET forecast of the predicted weather shall be limited to a 6 hour horizon.
Title	Steering the Content of MET Data in Post ops
Status	<Validated>
Rationale	Fast access to a reliable data shall be granted for accurate Post Ops analysis.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information	N/A

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[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0025
Requirement	The time resolution of the archived MET forecast shall be the original resolution of the forecast.
Title	Steering the Content of MET Data in Post ops
Status	<Validated>
Rationale	Fast access to a reliable data shall be granted for accurate Post Ops analysis.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0026
Requirement	The Post Operations Analysis Platform shall generate a warning if one of the MET data is not available in the system or invalid.
Title	Steering the Content of MET Data in Post ops
Status	<Validated>
Rationale	Fast access to a reliable data shall be granted for accurate Post Ops analysis.
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

3.1.7.4 General MET requirements

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0008
Requirement	If not otherwise specified, the update rate for local MET data shall be 10 seconds.
Title	MET data quality
Status	<Validated>
Rationale	Accurate and up to date data shall be available
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0009
Requirement	The appropriate stakeholders shall be able to adjust all the MET HMI settings.
Title	HMI data quality
Status	<Validated>
Rationale	Accurate and up to date data shall be visible in the HMI
Category	<Functional><HMI><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

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[REQ]

Identifier	REQ-06.05.05-SPR-MET2.0026
Requirement	The Steer Airport Performance Service shall be able to adjust the update rate for local MET data in the OSB meetings.
Title	MET data quality
Status	<Validated>
Rationale	Accurate and up to date data shall be available
Category	<Functional><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0027
Requirement	The MET system shall generate a warning visible by the user and the technical support team if any of the MET HMI data is not available or out-dated (i.e. update rate of MET data is not according to requirement).
Title	HMI data quality
Status	<Validated>
Rationale	Accurate and up to date data shall be visible in the HMI
Category	<Functional><HMI><Operational><Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

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Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0028
Requirement	The Probabilistic Thunderstorm Forecast shall cover the time from +0h to +3(6)h in hourly steps as defined by the Steer Airport Performance Service.
Title	Time Horizon of Probabilistic Thunderstorm Forecast
Status	<Validated>
Rationale	Definition of individual time coverage for the product Probabilistic Thunderstorm Forecast necessary due to physical and technological constraints
Category	<Functional>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0029
Requirement	The AOP shall be provided with a reduced set of MET data in reduced time resolution from +48h in the future to +168h in the future, as defined and adjusted by the Steer Airport Performance Service.
Title	Time Span of Reduced set of MET data
Status	<Validated>
Rationale	After 48h in the future up until 168h only a basic set of MET data is required
Category	<Functional>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	<Analysis>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0030
Requirement	The element QFE shall have an unit resolution of 0.1 hPa and an accuracy of at least 0.25 hPa
Title	Unit resolution and accuracy element QFE
Status	<Validated>
Rationale	Definition of expected unit resolution and accuracy of the data element
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0031
Requirement	The element QNH shall have an unit resolution of 0.1 hPa and an accuracy of at least 0.25 hPa
Title	Unit resolution and accuracy element QNH
Status	<Validated>
Rationale	Definition of expected unit resolution and accuracy of the data element
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0032
Requirement	The element 2m-Temperature shall have an unit resolution of 0.1°C and an accuracy of at least 0.2°C
Title	Unit resolution and accuracy element 2m Temperature
Status	<Validated>

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Rationale	Definition of expected unit resolution and accuracy of the data element
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0033
Requirement	The element Dew Point-Temperature shall have an unit resolution of 0.1°C and an accuracy of at least 0.2°C
Title	Unit resolution and accuracy element Dew Point Temperature
Status	<Validated>
Rationale	Definition of expected unit resolution and accuracy of the data element
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0034
Requirement	The element Surface-Temperature shall have an unit resolution of 0.1°C and an accuracy of at least 0.2°C
Title	Unit resolution and accuracy element Surface Temperature
Status	<Validated>
Rationale	Definition of expected unit resolution and accuracy of the data element
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

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Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0035
Requirement	The Thunderstorm activity shall consist of the following elements: <ul style="list-style-type: none"> • type and alignment of thunderstorm/CB activity [isolated/.../frequent/squall line], • intensity of thunderstorm/CB cell/precipitation activity [light/moderate/heavy/rain/hail] and • movement of CB cell activity (speed and direction) in text format
Title	Thunderstorm activity details
Status	<Validated>
Rationale	Describing the details of the important MET data element thunderstorm activity
Category	<Functional>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	<Analysis>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0036
Requirement	The element Actual RVR shall have an update rate of at least 60 sec
Title	Update Rate Actual RVR
Status	<Validated>
Rationale	Describing the expected minimum update Rate of element RVR
Category	<Reliability>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0037
Requirement	The time resolution for predicted RVR shall per default be 1 value/15 min for the next 2 h and 1 value/60 min thereafter
Title	Time resolution of element predicted RVR
Status	<Validated>
Rationale	Special resolution of element RVR necessary
Category	<Functional>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	<Analysis>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0038
Requirement	The update rate of the element Actual De-Icing Category shall at least be 15 minutes.
Title	Update rate of element Actual De Icing category
Status	<Validated>
Rationale	Due to tactical reasons the element Actual De Icing Category needs to be updated at least every 15 mins
Category	<Operational>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0044	<Partial>
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0039
Requirement	The element Forecasted De-Icing Category shall have a granularity of 15 minute time steps for the next 3 hours and 1 hour time steps thereafter
Title	Granularity De Icing Category
Status	<Validated>
Rationale	Definition of time resolution and timespan for element Forecasted De Icing Category
Category	<Operational>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.05-SPR-MET1.0040
Requirement	The latency of the MET data actuals shall be equal or less than 30 sec
Title	Latency of MET data actuals
Status	<Validated>
Rationale	Definition of maximum latency of provided local MET data
Category	<Reliability>
Validation Method	<Shadow Mode>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED- MET1.0001	<Partial>
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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

3.2 Performance Requirements Related to Steer Airport Performance

3.2.1 DCB requirements related to Steer Airport Performance

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0010
Requirement	The OSB shall ensure that all DCB related items within the responsibility of OSB are made available in the AOP within 24 hours after OSB minutes are published.
Title	DCB related AOP entry
Status	<In Progress>
Rationale	Timely and accurate input supports improved predictability and performance of the DCB tool.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0040
Requirement	The OSB shall be able to review all DCB related items within the responsibility of OSB in an acceptable time frame, at least each seasonal schedule shift or whenever required as published in OSB minutes.
Title	DCB item determination review by OSB
Status	<In Progress>
Rationale	Support to DCB automatic determination of possible runway configuration(s)
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0060
Requirement	The APB shall ensure that all DCB related items within the responsibility of the APB are made available in the AOP within 24 hours after APB minutes are published.
Title	DCB related APB entry to AOP
Status	<In Progress>
Rationale	Timely and accurate input supports improved predictability and performance of the DCB tool.

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Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED TO>	<Functional Block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0061
Requirement	The APB shall review all DCB related items within the responsibility of APB at least at each seasonal schedule shift or whenever required by the DCB process.
Title	DCB item determination review by APB
Status	<In Progress>
Rationale	Timely and accurate input supports improved predictability and performance of the DCB tool.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Performance Management	N/A

3.3 Performance Requirements Related to Monitor Airport Performance Service

3.3.1 DCB requirements related to Monitor Airport Performance Service

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0010
Requirement	The actors who are responsible for RWY, TMA and TWY capacity details shall ensure the information is stored in the AOP within 5 min of it being calculated.
Title	DCB and AOP capacity responsible roles input to AOP and DCB criteria
Status	<In Progress>
Rationale	Satisfies the overall expeditiousness required of the DCB actor(s) in order to efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Departure Management	N/A
<ALLOCATED_TO>	<Functional Block>	Runway and Taxiway Usage Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0020
Requirement	The Airport Duty Officer shall report to the capacity responsible(s) any known event that is affecting RWY or TWY capacity within 5 minutes from when the event is confirmed.
Title	RWY and TWY capacity change. Airport Duty officer report to DCB responsible(s)
Status	<In Progress>
Rationale	Satisfies the overall expeditiousness required of the DCB actor(s) in order to efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
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<ALLOCATED_TO>	<Functional Block>	Departure Management	N/A
<ALLOCATED_TO>	<Functional Block>	Runway and Taxiway Usage Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0030
Requirement	The MET provider shall publish DCB related weather data to the AOP within 1 second after it has been produced by the MET provider system.
Title	AOP Weather data to DCB responsible(s)
Status	<In Progress>
Rationale	Satisfies the overall expeditiousness required of the DCB actor(s) in order to efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>

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Verification Method	
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0070	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0160	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0161	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0040
Requirement	Any user of DCB related data shall receive input and changes 1 second after the data has been entered into the AOP.
Title	AOP and DCB tool reaction time between human input and first display of new data.
Status	<In Progress>
Rationale	Satisfies the overall expeditiousness required of the DCB actor(s) in order to efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0111	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0050
Requirement	With KPI alerting for a time period into the future the user of the Airport Performance Monitoring platform shall be provided the information with an accuracy of +/- 10 minutes for the day of operation
Title	AOP alerting. Time period accuracy
Status	<In Progress>
Rationale	Satisfies the overall predictability required in order to efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0090	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0160	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-PERF.0060
Requirement	With KPI alerting for a time period into the future the user of the Airport Performance Monitoring platform shall be provided the information with an accuracy of +/- 10 minutes beyond the day of operation
Title	AOP alerting. Time period precision
Status	<In Progress>
Rationale	Satisfies the overall expeditiousness required of the DCB actor(s) in order to

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	efficiently manage capacity and demand balancing.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0090	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0160	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

3.4 Performance Requirements related to Manage Airport Performance Service

3.4.1 Assess Overall Impact Process requirements

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0001
Requirement	An Overall Impact Message shall be instantiated after each warning or alert coming from Monitoring Airport Performance Service.
Title	Analyse Alert from Performance Airport Monitoring
Status	<In Progress>
Rationale	It shall be possible to instantiate the Overall Impact Message and insert all available information concerning the warning/alert out of the Monitor Airport Performance Service. Every Overall Impact Message will contain a standard set of items to be filled in and stored in the AOP.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0002
Requirement	The APOC Supervisor and all the assigned stakeholders shall be able to update in real time the Overall Impact Message with information
Title	Collect and analyse information for the impact message
Status	<In Progress>
Rationale	After instantiation of the Overall Impact Message (containing information out of the Monitoring Airport Performance Service after a warning or alert) the APOC Supervisor and all assigned stakeholders have access to the Message and can update the message with information during the entire existence of the deviation from the KPI.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

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Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.6000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.6010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1050	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0003
Requirement	Information coming from event reports and MET reports shall support the Assess Overall Impact Process.
Title	Collect and analyse information for the impact message
Status	<In Progress>
Rationale	Next to all information delivered by the Monitoring Airport Performance Service, additional information provided by event reports and MET reports are analyzed and made available by the Assess Overall Impact Service.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1060	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1070	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0004
Requirement	All the stakeholders shall be able to investigate in real time if more stakeholders have to be involved in reacting to a warning or an alert.
Title	Assess involvement of potential additional stakeholder
Status	<In Progress>
Rationale	More than one stakeholder can be affected by a warning/alert. In case a warning/alert is raised, the single stakeholder shall have the possibility to effectively investigate or assess if more stakeholder are involved in this occasion.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1070	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1080	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.2000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.2010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.2020	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0005
Requirement	All the assigned stakeholders shall be able to determine individually in real time the impact of a deviation or disruption of the plan from the normal airport operations.
Title	Specify the problem using expertise

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Status	<In Progress>
Rationale	All assigned stakeholder will determine (collaborative) the deviation in form of probability of occurrence, the estimated duration and the location of the disruption. After commitment of all assigned stakeholder, the Overall Impact Message is updated with all available information. Every single stakeholder is responsible for the update.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.3000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.3010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1050	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0006
Requirement	The assigned stakeholder shall be able to assess in real time the impact of a deviation using its own support system by retrieving information from the past.
Title	Check experience from the past
Status	<In Progress>
Rationale	After this assessment the assigned stakeholder has information about a similar deviation out of the past. The recorded conclusion of the situations can be used as a guideline to update the overall impact message and its impact to the relevant KPIs.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.3020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.4000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.4010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1050	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0007
Requirement	All the assigned stakeholders shall be able to determine and to classify in real time the severity level according to the pre-set description and its impact in a collaborative way with all the other assigned stakeholders.
Title	Classify severity level
Status	<In Progress>
Rationale	The severity levels are defined and described in four classifications (A, B, C and D). The level D is a crisis mode, meaning that a crisis team will take over. Every assigned stakeholder will assess the impact and determine a severity level for the disruption compared to normal operations. After this assessment and classification the assigned stakeholder will be able to update the relevant elements in the overall impact message.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>

Verification Method	
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.5000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.5010	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.5020	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.5030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.5040	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-AOIP.0008
Requirement	All the assigned stakeholders shall decide on the severity level and update the Overall Impact Message.
Title	Update and record Overall Impact Message
Status	<In Progress>
Rationale	A collaborative decision is taken on the severity level and the Overall Impact Message is updated. The assigned stakeholder finalized the Overall Impact Message and checked if all information elements are complete. The Overall Impact Message is recorded in the AOP.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.1050	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.6000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.7000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.7010	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

3.4.2 Make Decision Process requirements

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0001
Requirement	The APOC Supervisor shall instantiate a Solution Message after reception of an Overall Impact Message.
Title	Instantiation of solution message
Status	<In Progress>
Rationale	An instantiated Solution Message based on the content of the Overall Impact Message with additional information fields concerning Goals and Criteria's, Candidate Solution and Selected Solution information out of the Monitor Airport Performance Service is created. Every Solution Message will contain a standard set of additional items to be filled in and will be stored in the AOP. It allows tracking and continuously communication on the solution status.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.0100	<Partial>

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<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.0110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1020	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0002
Requirement	The APOC Supervisor and all the assigned stakeholders shall be able to access and acknowledge the content of the received Overall Impact Message within a time frame set by the OSB.
Title	Check acknowledgement of the stakeholders
Status	<In Progress>
Rationale	A list of stakeholders that have already sent their acknowledgement after the Overall Impact Message reception. The list is showing those who have not yet sent any feedback, enabling the APOC supervisor to take action accordingly.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1021	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0003
Requirement	The APOC Supervisor and all the assigned stakeholders shall be able to check in real time deviations from the pre-defined goals and criteria set by the OSB.
Title	Check predefined goals and criteria
Status	<In Progress>
Rationale	A set of new respectively additional goals and criteria (only when necessary) with a aligned trigger level for KPI monitoring and adapted performance level are defined temporally (time frame for the duration of the new set of goals and criteria) and adjusted/stored by the APOC supervisor in the Initial Solution Message. Enhanced situation awareness and base for CDM.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1022	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2500	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2600	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2610	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0004
Requirement	The APOC Supervisor and all the assigned stakeholders shall be able to search in real time for predefined solutions in the pre-defined solution tables stored in the AOP.
Title	Search for predefined solutions

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Status	<In Progress>
Rationale	A set of maximum 3 predefined solutions valid to handle the disruption and recovery from deviation respectively adverse condition in an efficient manner; adopted and/or updated by the stakeholders in the Solution Message.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3013	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3016	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0005
Requirement	Based on the stakeholders' published list of candidate solutions and a pre-assessment of DCB imbalances considering the adherence to a target function weighting the KPIs against each other, issued by the OSB, each stakeholder shall assess individually the impact of the candidate solutions with their own support systems.
Title	Assess impact of candidate solutions
Status	<In Progress>
Rationale	A published and to all accessible list of stakeholders' pre-selection respectively favoured candidate solutions with indication of impact to KPIs and recovery as a base for effective and efficient negotiation and collaborative decision making.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.5000	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.5030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.5050	<Full>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0006
Requirement	The APOC supervisor shall be able to lead the assigned stakeholders within an acceptable time frame to agree on a list of candidate solutions, aligned, as much as possible, on the pre-defined goals and criteria and the DCB targets.
Title	Negotiate and select solutions
Status	<In Progress>
Rationale	Efficient executed CDM process on selection and agreement of a final solution to be implemented and to be published.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6011	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0007
Requirement	The APOC supervisor shall be able to select the solution to a deviation immediately if no agreement can be found between the assigned stakeholders after an acceptable time frame
Title	Negotiate and select solutions
Status	<In Progress>
Rationale	Efficient executed CDM process on selection and agreement of a final solution to be implemented and to be published.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6011	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0008
Requirement	The APOC supervisor and the assigned stakeholders shall be able to update the solution message and visualize in a few seconds the relevant information updated in the AOP.
Title	Update solution message and AOP
Status	<In Progress>
Rationale	The result is a final, completed, published and stored solution message in the AOP. Consolidated kick-off for implementation accordingly under stakeholders' responsibility.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.0100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.0110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6013	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6014	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6015	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.6016	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.7000	<Full>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

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Identifier	REQ-06.05.04-SPR-MDEC.0009
Requirement	The APOC Supervisor and all assigned stakeholders shall be able to define new goals and criteria in a collaborative way within an acceptable time frame
Title	Check predefined goals and criteria
Status	<In Progress>
Rationale	A set of new respectively additional goals and criteria (only when necessary) with a aligned trigger level for KPI monitoring and adapted performance level are defined temporally (time frame for the duration of the new set of goals and criteria) and adjusted/stored by the APOC supervisor in the Initial Solution Message. Enhanced situation awareness and base for CDM.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1022	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2500	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2600	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2610	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0010
Requirement	The APOC Supervisor and all assigned stakeholders shall be able to update the Initial Solution Message with the new goals and criteria within an acceptable time frame
Title	Check predefined goals and criteria
Status	<In Progress>
Rationale	A set of new respectively additional goals and criteria (only when necessary) with a aligned trigger level for KPI monitoring and adapted performance level are defined temporally (time frame for the duration of the new set of goals and criteria) and adjusted/stored by the APOC supervisor in the Initial Solution Message. Enhanced situation awareness and base for CDM.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.1022	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2500	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2600	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.2610	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-MDEC.0011
Requirement	The assigned stakeholders shall be able to elaborate an ad-hoc solution in an acceptable time frame on the basis of the Overall Impact Message and the Initial Solution Message within the pre-defined solution table stored in the AOP
Title	Search for predefined solutions

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Status	<In Progress>
Rationale	A set of maximum 3 predefined solutions valid to handle the disruption and recovery from deviation respectively adverse condition in an efficient manner; adopted and/or updated by the stakeholders in the Solution Message.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3000	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3011	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3013	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3016	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.04-SPR-ADOC.0001
Requirement	The Post Operations Analyst shall be able to create and maintain within an acceptable time frame a pre-defined solution table with a structured set of information elements and information coming from the make decision process and results from the post ops analysis.
Title	Development solution table
Status	<In Progress>
Rationale	A generically growing collection of pre-defined candidate solution from all the stakeholders' experiences with operation and recovery from adverse conditions, with the purpose to speed up and optimize the search, evaluation and assessment of pre-defined solutions during the Make Decision process. This will allow all stakeholders and the APOC supervisor to mitigate the impact of special event on operations within a shorter time frame and to make decisions more reliable.
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0001	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0002	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0012	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0013	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0014	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-ADCO.0015	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-MDEC.3000	<Partial>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

3.4.3 DCB requirements related to Manage Airport Performance

[REQ]

Identifier	REQ-06.05.03-SPR-MNGE.0010
Requirement	Each APOC member shall be able to visualize the result of a DCB recalculation in less than 10 seconds after the start of the recalculation

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	process
Title	DCB recalculation
Status	<In Progress>
Rationale	Efficient DCB recalculation capacity supports the overall airport performance optimisation
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0020	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-MNGE.0020
Requirement	The APOC members shall be able to evaluate a DCB proposal on KPI balance/prioritisation 5 minutes after generation
Title	Evaluation of DCB proposal
Status	<In Progress>
Rationale	Efficient DCB management supports the overall airport performance optimisation
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0030	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-MNGE.0030
Requirement	Each APOC member shall start an evaluation of the impact of the proposed DCB solution on their own process within 5 minutes after the DCB proposal has been generated.
Title	Evaluation of effect of DCB proposal on external processes
Status	<In Progress>
Rationale	Efficient DCB management supports the overall airport performance optimisation
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-MNGE.0031
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Requirement	Each APOC member shall finalize its evaluation of the DCB proposal and report the result to the APOC supervisor within 10 minutes after the DCB proposal has been generated.
Title	Evaluation of effect of DCB proposal on external processes
Status	<In Progress>
Rationale	Efficient DCB management supports the overall airport performance optimisation
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A
<ALLOCATED_TO>	<Functional block>	Performance Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-MNGE.0040
Requirement	Tower supervisor shall activate the chosen DCB solution in the AOP within 5 minutes after collaborative decision has been made.
Title	DCB solution activation
Status	<In Progress>
Rationale	Efficient DCB management supports the overall airport performance optimisation
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0060	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional block>	Runway and Taxiway Usage Management	N/A

3.5 Performance Requirements related to Perform Post Operations Analysis Service

3.5.1 General Performance Requirements

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0001
Requirement	Based on pre-defined algorithms, the Post Operations Analysis Platform shall inform the Post Operations Analyst in real time if created or updated data, including date, time and source were recorded or not and consistency check was made in the AOP.
Title	Data check and recording for post operations analysis
Status	<In Progress>
Rationale	The reliable dataset ensures to generate a high quality Post Operations analysis report.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0001	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0002	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0003	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0004	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0005	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0002
Requirement	The Post Operations Analyst shall have real time access to all the data in the Post Operation Platform and the AOP.
Title	Recorded data accessibility for post operations analysis
Status	<In Progress>
Rationale	It allows a regular real time review and check of the data provided by the Post Operations Analysis Platform in a high integrity as defined by the OSB.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0006	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0007	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0026	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0003
Requirement	The Post Operations Analysis Platform shall select relevant information automatically to generate a standard or an ad hoc post operations analysis report based on the definition given by the OSB or referring to an existing ad hoc report.
Title	Automatic selection of post operations analysis report template
Status	<In Progress>
Rationale	This is the basis to produce a standard or ad hoc post operations analysis report for a general analysis and evaluation of the airport performance based on the parameters set by the OSB. All reports must be recorded and accessible any time in the AOP:
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0008	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0009	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0011	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0023	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0024	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0025	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0004
Requirement	The Post Operations Analyst shall always have real time read and write access to define the format, layout, expected content, periodicity and addressees for all the post operations analysis report templates in the Post

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	Operations Analysis Platform.
Title	Manual inputs of an ad-hoc post operations analysis report
Status	<In Progress>
Rationale	This is the basis to produce post operations analysis reports for a general analysis and evaluation of the airport performance based on the parameters set by the OSB.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0012	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0013	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0014	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0018	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0019	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0005
Requirement	The Post Operations Analyst shall always have real time read and write access to all the data required to produce a post operations analysis report (e.g. list of expert contacts, any recorded data) and have the ability to search and select data using any characteristics.
Title	Analyse and assess the reliability of a report activity
Status	<In Progress>
Rationale	This is the basis to produce a post operations analysis report for a general analysis and evaluation of the airport performance based on the parameters set by the OSB. More reliability of the Post Operations Analysis report due to expert opinion from the assigned stakeholder.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0027	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0028	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0029	<Full>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0006
Requirement	The Post Operations Analyst shall identify additional data needs when he/she wants to modify a post operations analysis report.
Title	Identify, retrieve, analyse and modify additional data and report activities
Status	<In Progress>
Rationale	A list of reliable additional data and improvement of report analysis with the ability to modify the report accordingly.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0031	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0007
Requirement	The Post Operations Analyst shall publish the draft and final ad-hoc and standard Post Operation Analysis Report according to the predefined list of addressees after an agreement (feedback and comments considered) of the content is reached among the involved stakeholders.
Title	Publishing Post Operation Analysis Reports
Status	<In Progress>
Rationale	Recorded and published reliable, aligned high quality Post Operations Analysis Reports as basis for the OSB and other stakeholder for future definition and/or modification of goals, criteria and predefined solutions etc. This ensures an indirect positive impact to the KPIs through to better and more reliable CDM/airport performance.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0032	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0033	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0034	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0035	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0036	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0037	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0038	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0039	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0040	<Full>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0008
Requirement	The Post Operations Analyst shall have the possibility to manually add, modify or delete data in a post operations analysis report.
Title	Manual inputs of an ad-hoc post operations analysis report
Status	<In Progress>
Rationale	This is the basis to produce post operations analysis reports for a general analysis and evaluation of the airport performance based on the parameters set by the OSB.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0012	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0013	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0014	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0018	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0019	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0009
Requirement	Post operations analysis reports shall only be defined by the Post Operations Analyst and the authorised users.

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Title	Manual inputs of an ad-hoc post operations analysis report
Status	<In Progress>
Rationale	This is the basis to produce post operations analysis reports for a general analysis and evaluation of the airport performance based on the parameters set by the OSB.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0012	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0013	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0014	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0018	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0019	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0010
Requirement	The Post Operations Analyst shall request additional data when he/she needs to modify a post operations analysis report.
Title	Identify, retrieve, analyse and modify additional data and report activities
Status	<In Progress>
Rationale	A list of reliable additional data and improvement of report analysis with the ability to modify the report accordingly.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0031	<Full>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.06.01-SPR-POPS.0011
Requirement	The Post Operations Analyst shall analyse the additional data required to modify a post operations analysis report.
Title	Identify, retrieve, analyse and modify additional data and report activities
Status	<In Progress>
Rationale	A list of reliable additional data and improvement of report analysis with the ability to modify the report accordingly.
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0030	<Full>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0031	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

3.5.2 DCB requirements related to Perform Post Operations Analysis

[REQ]

Identifier	REQ-06.05.03-SPR-POPS.0010
Requirement	Post Operations Analysis service shall compute a probability distribution of flights taking place +/- x minutes earlier/later than planned according to the latest SBT data (runway threshold reference, ATOT to STOT; ALDT to SLDT) to be used by the DCB system and update in DCB at least at every seasonal schedule change.
Title	Arrival / departure uncertainty
Status	<In Progress>
Rationale	Determination of Practical capacity
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.01-OSED-POPS.0020	<Full>
<ALLOCATED_TO>	<Functional block>	Support Functions Airport	N/A

3.6 Performance Requirements related to Airport Operations Plan

3.6.1 Airport Resources and Capacity information (CAPC)

[REQ]

Identifier	REQ-06.05.02-SPR-CAPC.0010
Requirement	The AOP shall receive automatically generated resource and capacity within 1 minute after they have been generated.
Title	AOP receiving data automatically
Status	<In Progress>
Rationale	Timely and accurate information supports the overall performance of the airport
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-CAPC.0101	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-CAPC.0103	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-CAPC.0104	<Partial>
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-CAPC.0109	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-CAPC.0110	<Partial>
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[REQ]

Identifier	REQ-06.05.02-SPR-CAPC.0020
Requirement	The responsible role of manually generated resource and capacity values shall update these in the AOP within 5 minutes after the values have been determined.
Title	AOP receiving data manually
Status	<In Progress>
Rationale	Timely and accurate information supports the overall performance of the airport
Category	<Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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[REQ]

Identifier	REQ-06.03.01-SPR-CAPC.0030
Requirement	The AOP shall include and update within 1 minute a passenger transit time table between monitoring points (such as security or border entrance, exit from security or border, arrival or departure gate)
Title	AOP passenger flow process progress monitoring
Status	<In Progress>
Rationale	General definition of the AOP
Category	<Operational>
Validation Method	<Shadow Mode / Live Trial>
Verification Method	<Test>

[REQ Trace]

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Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

3.7 Performance Requirements related to DCB

3.7.1 DCB calculation requirements

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0011
Requirement	DCB shall generate and update calculations for the short term planning phase every 5 minutes.
Title	DCB forecasting performance
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0020
Requirement	DCB calculations for the medium term planning phase shall be generated and updated every hour.
Title	DCB forecasting performance
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0030
Requirement	DCB shall be capable of forecasting performance with user selectable intervals that are a multiple of 5 minutes during the time span of current time up to 3 hours depending on the choice of the users.
Title	DCB forecasting performance
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0041
Requirement	The actual and forecasted number of aircraft simultaneously on the ground at the airport shall be updated at every change in the short term planning phase.
Title	Number of aircraft on ground update rate short term
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0050
Requirement	The actual and forecasted number of aircraft simultaneously on the ground at the airport shall be updated every hour in medium term planning
Title	Number of aircraft on ground update rate medium term
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>

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Verification Method	
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0160
Requirement	DCB shall calculate demand for 1 hour intervals during medium term planning phase.
Title	Demand calculation update rate medium term
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBS.0070
Requirement	Warning alert and advisory messages generated by threshold configuration in DCB shall be displayed within 1 second after detection by the internal DCB system
Title	Warning, alert and advisory messages
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

3.7.2 Output to AOP

[REQ]

Identifier	REQ-06.05.03-SPR-DCBO.0010
Requirement	DCB shall provide Capacity and KPI values to AOP in intervals of 5 minutes and when recalculating in the short term planning phase.

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Title	DCB values to AOP
Status	<In Progress>
Rationale	AOP and DCB correlation
Category	<Interface>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBO.0020
Requirement	DCB shall provide Capacity and KPI values to AOP in intervals of 1 hour in and when recalculating in the medium term planning phase.
Title	DCB values to AOP
Status	<In Progress>
Rationale	AOP and DCB correlation
Category	<Interface>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0020	<Partial>
<ALLOCATED TO>	<Functional block>	Performance Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBO.0030
Requirement	DCB shall provide forecasted times to AOP within 1 sec after the implementation of a new DCB solution
Title	DCB values to AOP
Status	<In Progress>
Rationale	AOP and DCB correlation
Category	<Interface>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0030	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0031	<Partial>
<ALLOCATED TO>	<Functional block>	Performance Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBO.0040
Requirement	DCB shall start processing in less than 1 second when a capacity responsible role manually triggers a DCB recalculation or make an input in the system.

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Title	System reaction time to manual input.
Status	<In Progress>
Rationale	Timely and accurate calculation supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0031	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0032	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBS.0391	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBS.0520	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBS.0580	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBS.0590	<Partial>
<ALLOCATED TO>	<Functional block>	Performance Management	N/A
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBO.0050
Requirement	DCB shall transfer data to AOP within 1 second after generation.
Title	Transfer between AOP and DCB
Status	<In Progress>
Rationale	Timely and accurate transfer of data supports improved quality of the DCB output as well as the overall airport performance
Category	<Performance>
Validation Method	<Real Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0031	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBO.0032	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

3.7.3 DCB HMI Output

[REQ]

Identifier	REQ-06.05.03-SPR-DCBH.0010
Requirement	DCB capacity and demand graphs shall only be updated on the display with a user freely selectable granularity of 5 min or more (e.g. 10, 15, 20 etc.) in order to avoid flickering effects
Title	HMI update rate
Status	<In Progress>
Rationale	In order to avoid continuous updates and flickering
Category	<HMI>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0080	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0090	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0091	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0092	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0110	<Partial>

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<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0130	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0131	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0132	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0133	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0140	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0150	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0170	<Partial>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

[REQ]

Identifier	REQ-06.05.03-SPR-DCBH.0020
Requirement	DCB HMI shall react and display according to user input in less than 1 second apart from capacity and demand graphs.
Title	HMI reaction time
Status	<In Progress>
Rationale	In order to support user efficiency
Category	<HMI>
Validation Method	<Fast Time Simulation>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0080	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0090	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0091	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0092	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0100	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0110	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0130	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0131	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0132	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0133	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0140	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0150	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-DCBH.0170	<Partial>
<ALLOCATED TO>	<Functional block>	Support Functions Airport	N/A

3.8 Performance Requirements related to De-Icing

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0002
Requirement	Automated controls of data shall be designed
Title	DEICE-PERF-2
Status	<In Progress>
Rationale	Basic functionality in DIMT
Category	<Functional><Performance><Security>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0009
Requirement	De-icing coordinator shall be prompted to acknowledge any changes suggested by post flight analysis functionalities
Title	DEICE-PERF-9

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Status	<In Progress>
Rationale	Continuous improvement
Category	<Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0011
Requirement	The DIMT shall be configured for user roles with different access levels, e.g. system administrator, de-icing coordinator and “viewer”
Title	DEICE-PERF-11
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0012
Requirement	Users shall possess and verify unique IDs for the use of the DIMT
Title	DEICE-PERF-12
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0013
Requirement	The DIMT should contain a feature to pinpoint location of trucks (e.g. by using transponders)
Title	DEICE-PERF-13
Status	<In Progress>
Rationale	Optional functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

Verification Method	
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0015
Requirement	DIMT shall include restrictions to avoid major fluctuations of output
Title	DEICE-PERF-15
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0016
Requirement	DIMT shall include an HMI, tested on specific type of operations, supporting the monitoring/intervention and shall make most common operations effective (e.g. use of “short cuts”, possibility to adjust parameter values for multiple aircraft simultaneously, and adjustment of HMI to different types of interactions based on user roles etc.)
Title	DEICE-PERF-16
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0017
Requirement	Early communication with Airspace Users/Pilot in Command to ensure early decision about de-icing should be ensured
Title	DEICE-PERF-17
Status	<In Progress>
Rationale	Better planning for De-icing agents
Category	<Operational><Performance>
Validation Method	<Shadow Mode>
Verification Method	

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0030	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0018
Requirement	DIMT shall visualise when EDIT or De-icing Sequence are manually adjusted
Title	DEICE-PERF-18
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0104.0001
Requirement	The De-icing Coordinator shall be able to choose to publish De-icing Plan information to AOP
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0104.0002
Requirement	The De-icing Coordinator shall be able to publish De-icing Unit Sequence information to De-icing Unit Operator
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

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<ALLOCATED TO>	<Functional Block>	Turn-Round Management	N/A
<ALLOCATED TO>	<Functional Block>	Runway and Taxiway Usage Management	N/A
<ALLOCATED TO>	<Functional Block>	Departure Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0001
Requirement	The DIMT shall allow use of multiple Unit Allocation Algorithms
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0002
Requirement	The DIMT shall contain a Unit Allocation Algorithm that allocates as few de-icing units as possible
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0004
Requirement	Default number of Units for de-icing of a flight shall be based on Aircraft Code, de-icing method and prevailing weather category
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0005
Requirement	The DIMT shall produce a warning notification on flight level to the De-icing Coordinator when available De-Icing Units cannot meet calculated ECZT.

Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0006
Requirement	If available De-icing Units cannot achieve ECZT window for a flight, a new ECZT shall be calculated by the DIMT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0007
Requirement	The DIMT shall send a warning notification on flight level to the De-icing Coordinator when assigned De-icing Pad capacity cannot meet calculated ECZT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0008
Requirement	If available De-icing Pad capacity cannot meet calculated ECZT for a flight, a new ECZT shall be calculated by the DIMT by finding next possible capacity window
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

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Verification Method	
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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0009
Requirement	The DIMT shall keep track of availability of the De-Icing Units
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0010
Requirement	The DIMT shall keep track of availability of the De-Icing Pads
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0109.0001
Requirement	A de-icing unit sequence shall be composed of Flight Number; Aircraft registration; De-icing position; ECZT; Other units allocated to the same flight; TSAT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical	N/A

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<ALLOCATED TO>	<Functional block>	Management Airport Resources and Facilities Planning	N/A
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[REQ]

Identifier	REQ-06.06.02-SPR-0304.0001
Requirement	It shall be possible to define an After Push Value “z” (in minutes) for each stand, where $z > 0$ indicates that De-icing After Push is used for this stand
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0306.0001
Requirement	The DIMT shall use Drive Up Times between stands and de-icing positions as well as other spots that are relevant for de-icing operations, e.g. base station for de-icing rigs, replenishment of de-icing fluids etc.
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Tactical Management	N/A
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0309.0001
Requirement	The Airport Operator DIMT System Role shall be able to set “t” (in minutes) as a locally agreed parameter for Final Confirmation of TOBT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0001
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Requirement	The DIMIT shall be able to handle two planning windows – a Fixed Planning Window and a Flexible Planning Window
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0002
Requirement	The De-icing Coordinator shall be able to define the Fixed Planning Window by a start time and an end time. The start time shall be actual/present time and the end time shall be “actual/present time + <number of minutes chosen by the De-Icing Coordinator>”
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0003
Requirement	The De-icing Coordinator shall be able to define the Flexible Planning Window by a start time and an end time. The start time shall be “end time for the Fixed Planning Window” and the end time shall be <number of minutes chosen by the De-Icing Coordinator> after the start time for the Flexible Planning Window
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0004
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Requirement	The De-icing Coordinator shall be able to integrate the Fixed Planning Window into the Flexible Planning Window by an “on/off-flag”-functionality
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0005
Requirement	It shall be possible to create a Temporary Fixed Planning Window within the Flexible Planning Window by selecting the desired time span in the grid view
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0409.0006
Requirement	The DIMT shall be able to handle a De-Icing Flag with values, <E> (expected de-icing), <R> (requested de-icing), <C> (cancelled de-icing), <off> (no de-icing)
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0501.0002
Requirement	The DIMT shall be able to handle the following Flight Information: <ul style="list-style-type: none"> Flight Number

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	<ul style="list-style-type: none"> • SOBT • Aircraft Registration • Aircraft Code • Aircraft ID • ICAO Aircraft Type • Flight Prioritization Tag • EOBT • TOBT • AOBT • ETOT • TTOT • CTOT • ATOT • TSAT • ASAT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0501.0003
Requirement	The DIMT shall be able to receive APZT from De-icing Units
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0507.0001
Requirement	The DIMT shall be able to receive weather categories in specified intervals, e.g. every 15 minutes, for at least three hours ahead
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Aerodrome Weather Information Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0510.0001
Requirement	The DIMT shall be able to receive Confirmation of De-icing Assignment from De-icing Unit Operator
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0601.0001
Requirement	The DIMT shall be able to publish De-icing parameter values to AOP: ECZT; ACZT; EEZT; AEZT; EDIT; ADIT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0602.0001
Requirement	The DIMT shall be able to publish De-icing Unit Sequence (=De-icing Assignments) within the Fixed Planning Window to De-icing Unit Operator
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0001
Requirement	The selection of flights for De-icing planning shall be flights with EOBT

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Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0002
Requirement	ECZT shall – for on stand de-icing – be calculated as <TOBT-EDIT>
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0003
Requirement	ECZT shall – for de-icing after push – be calculated as <TOBT+z> (z = After Push Value in minutes)
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0004
Requirement	ECZT shall – for remote de-icing - be calculated as <TTOT-VTT-EDIT>
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>

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<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
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[REQ]

Identifier	REQ-06.06.02-SPR-0801.0005
Requirement	When creating and updating the De-Icing Plan the flights shall be processed in ascending time order of ECZT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0006
Requirement	An update of the De-icing Plan shall imply a recalculation/re-planning of ECZT, De-icing Unit Allocation, De-icing Unit Sequence and EDIT as well as notification of changes
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0007
Requirement	The De-icing Plan shall be presented as a list view and in the grid view.
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0008
Requirement	The De-icing Plan list view shall contain the following data concerning de-icing operations: De-icing Position, EDIT/ADIT, ECZT/ACZT, EEZT/AEZT

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	and Weather Category
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0802.0001
Requirement	The DIMT shall be able to receive Flight Information from the AOP regarding Scheduled events, Estimated events, Target events (including CTOT), and Actual events. This also implies Flight Number, assigned De-icing Position and Flight Prioritization Tag
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0002	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Operations Plan Management	N/A
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0802.0002
Requirement	Upon receiving Flight Information from the AOP the DIMT shall be able to update Flight De-icing Record accordingly. This implies Scheduled events, Estimated events, Target events (including CTOT), and Actual events as well as Flight Number, assigned De-icing Position and Flight Prioritization Flag
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0802.0003
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Requirement	The DIMT shall be able to store updated Flight De-icing Records, including Scheduled events, Estimated events, Target events (including CTOT) and Actual events as well as Flight Number, assigned De-icing Position and Flight Prioritization Flag
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0803.0001
Requirement	A change of the De-icing Flag to “off” or “E” or “R” for a flight shall result in an updated De-icing Plan or – if the FLIGHT is in the Fixed Planning Window – a notification in the list view and the grid view
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0804.0001
Requirement	When an actual request for de-icing is received for a flight the De-icing Flag shall be set to <R> for the flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0805.0001
Requirement	A cancellation of a de-icing request for a flight shall set the De-icing Flag to <C> for the flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT

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Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0805.0002
Requirement	A cancellation of a de-icing request for a flight in the fixed planning window shall result in a notification to the De-icing Coordinator
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0001
Requirement	Upon achieving Final Confirmation of TOBT for a flight, the De-icing Flag shall be set to <C> if the actual request is not received. Final confirmation of TOBT is defined as TOBT – t (see REQ-06.06.02-SPR-0309.0001)
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0002
Requirement	Upon receiving a cancellation of expected de-icing for a FLIGHT the De-icing Flag shall be set to <C>
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>

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<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
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[REQ]

Identifier	REQ-06.06.02-SPR-0806.0003
Requirement	It shall be possible for the De-icing Coordinator to initiate a cancellation of expected de-icing for a flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0030	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0004
Requirement	It shall be possible for the AOP to initiate a cancellation of expected de-icing for a flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.02-OSED-AOPG.0002	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0005
Requirement	Upon receiving a Weather Category change for the airport from "Low" to "No de-icing condition" the De-icing Flag shall, for flights with <E>, be set to <off> for all <planned flights> within the time span the weather category is valid for
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET3.0006	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0006
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Requirement	A change of the De-icing Flag to <off> for a FLIGHT in the Fixed Planning Window shall result in a notification to the De-icing Coordinator
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0007
Requirement	Upon receiving a Weather Category change for the airport from "Medium" to "No de-icing condition" the De-icing Flag shall, for flights with <E>, remain as <E> for <planned flights> during a specified time span after the change
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0806.0008
Requirement	Upon receiving a Weather Category change for the airport from "Severe" to "No de-icing condition" the De-icing Flag shall, for flights with <E>, remain as <E> for <planned flights> during a specified time span after the change
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0807.0001
Requirement	The DIMT shall be able to present a suggested De-icing Plan for the De-icing Coordinator to verify
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>

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Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0807.0002
Requirement	After verification of the suggested De-icing Plan the De-icing Coordinator shall be able to either accept or adjust the verified suggested De-icing Plan
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0807.0003
Requirement	After acceptance of the verified De-icing Plan, the De-icing Plan shall be published to AOP
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0001
Requirement	The DIMT shall allow manual override of selected Flight information and De-icing information in the Fixed Planning Window
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-0809.0002
Requirement	The DIMT shall not allow automatic update of manual inserted information in the Fixed Planning Window
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0004
Requirement	The De-Icing Coordinator shall have the possibility to manually override the Estimated De-icing Time (EDIT)
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0005
Requirement	The De-Icing Coordinator shall have the possibility to manually override the De-icing Position
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0006
Requirement	The De-Icing Coordinator shall have the possibility to manually override the De-icing Flag <off>/<E>/<R>/<C>
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT

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Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0007
Requirement	The De-Icing Coordinator shall have the possibility to manually override the ECZT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0009
Requirement	The De-Icing Coordinator shall have the possibility to manually override the EEZT
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0010
Requirement	The De-Icing Coordinator shall have the possibility to manually change the De-icing Units allocated to a flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-0809.0011
Requirement	The De-Icing Coordinator shall have the possibility to manually override the Weather Category
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0001
Requirement	The grid view shall consist of two axes, the vertical axis showing the availability of De-icing Resources and the horizontal axis showing the time line
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0002
Requirement	Current time shall be displayed as a vertical line in the grid view and shall be updated in real time
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0005
Requirement	The scale of the horizontal time line shall be adjustable

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Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0006
Requirement	The grid view shall display clearly the past time window, the Fixed Planning Window, the Flexible Planning Window (including a possible Temporary Fixed Planning Window) and beyond
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0007
Requirement	The vertical axis in the grid view showing De-icing Units/Tracks shall be divided into one block per De-icing Unit/Track, the block height being possible to adjust by the user
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0008
Requirement	The vertical axis in the grid view showing De-icing Units/Tracks shall display the name of the units/tracks, the name of the unit/track being possible to adjust by the user.
Title	DIMT Execution Requirements

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Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0009
Requirement	The grid view shall display the unavailability of one or more de-icing units/tracks with the correct time span
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0010
Requirement	The grid view shall display all flights with one or more allocated De-icing Units/Tracks.
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0011
Requirement	The flights shall be displayed as rectangular areas where left side is ECZT on the time axis and the right side is EEZT on the time axis
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>

Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0012
Requirement	The rectangular area representing the flight shall contain information regarding the flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0013
Requirement	The Drive Up Time for De-icing Unit shall be displayed as rectangular area where left side is start of Drive Up Time on the time axis and the right side is the end of Drive Up Time on the time axis
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0014
Requirement	The flight objects shall change colours according to status
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

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Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0017
Requirement	Unallocated flights shall be displayed in a trash box placed underneath the grid view
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0018
Requirement	The time span in the trash box shall correspond to the time span in the grid view.
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0020
Requirement	All flights with De-icing Flag <off> and <C> shall be placed in the trash box
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-0810.0023
Requirement	The Weather Category shall be displayed above the horizontal time axis in the grid view, where <low> is shown in green, <medium> in yellow, and <severe> in red corresponding to the relevant times
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0029
Requirement	The de-icing unit object in the grid view shall contain information regarding the unit, e.g. valid de-icing methods for the unit
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0031
Requirement	The grid view shall contain a function displaying De-icing Units/Tracks allocated to the same flight
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0032
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Requirement	The grid view shall allow the De-icing Coordinator to render one or more De-icing units/tracks unavailable or available for a certain time span
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0034
Requirement	The grid view shall allow the De-icing Coordinator to re-allocate flights to other De-icing Units/tracks in the fixed planning window
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0039
Requirement	Updates of TOBT, TSAT and TTOT/CTOT in the Fixed Planning Window shall be notified, both in the list view and in the grid view
Title	DIMT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0811.0001
Requirement	The DIMT shall use the De-Icing Unit Allocation Algorithm selected by the De-Icing Coordinator when creating the De-icing Plan
Title	DIMT Execution Requirements
Status	<In Progress>

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Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0816.0001
Requirement	The De-icing Coordinator shall be able to input a Confirmation of a de-icing assignment in the DIMIT
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0818.0001
Requirement	The DIMIT shall be able to, with the use of Weather Category, number of De-icing Units and Aircraft Type, present an EDIT value for each flight with an EOBT with the use of a lookup table with Standard De-icing Times
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0819.0002
Requirement	When Weather Category <value> is low or medium or severe the De-icing Flag shall be set to "E" for flights with an EOBT within the relevant time span
Title	DIMIT Execution Requirements
Status	<In Progress>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

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3.9 Consolidated Safety Requirements

The following safety requirements have been resulting from the safety assessment conducted on new Airport Operations Management (AOM) and Enhanced De-icing Management (EDIM) processes defined in the OSED. The safety assessment was developed in the basis of the SESAR Safety Reference Material (SRM). The safety requirements have been specified to meet the established safety criteria and cover the success and failure cases: in order to achieve the expected safety performance in fault-free conditions, or to mitigate the possible hazards (inadequate service or no timely service). The requirements cover suitability of input data (accuracy and reliability, roles of actors and user (information and awareness), and recovery processes, using also references A-CDM safety assessment [27] and guidance material [28] as baseline.

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0001
Requirement	Weather forecast accuracy and reliability level for AOM services shall be high for enhancing local demand-capacity balancing for inbound and outbound traffic compared to A-CDM operations.
Title	Safety weather forecast accuracy
Status	<Validated>
Rationale	It ensures that AOM services enhance demand-capacity balancing for inbound and outbound traffic in normal operating conditions by timely and adequate coordination between APOC and ATC Supervisors and between APOC and NMOC, compared to CDM baseline.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET3.0003	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0002
Requirement	Information and awareness of the purpose and use of the AOP / APOC, roles and decision-making process shall be ensured to all Stakeholders, APOC operators and coordinators and Operational Users of APOC

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	information (incl. ATC Supervisors)
Title	Safety information
Status	<Validated>
Rationale	It ensures that the probability of AOM services not adequately provided is very low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0060	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-AOIP.2020	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0003
Requirement	AOP / APOC input data accuracy, reliability, integrity level and user interface shall be adequate for enhancing local demand-capacity balancing for inbound and outbound traffic (compared to A-CDM operations)
Title	Safety data
Status	<In Progress>
Rationale	It ensures that AOM services enhance demand-capacity balancing for inbound and outbound traffic in normal operating conditions by timely and adequate coordination between APOC and ATC Supervisors and between APOC and NMOC, compared to CDM baseline, and that the probability of AOM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-PERF.0070	<Partial>

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<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A
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[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0004
Requirement	Mechanisms shall be provided to prevent corruption or undetected alteration induced by AOM services to ATC-related data
Title	Safety prevent information corruption
Status	<Validated>
Rationale	It ensures that the probability of corrupting ATC-related data induced by AOM services is very low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0060	<Partial>
<ALLOCATED TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0005
Requirement	What-if analysis tool shall use prediction with adequate accuracy, reliability and integrity for the selected what-if scenarios in order to support appropriate decision-making for ATC matters
Title	Safety what-if analysis
Status	<Validated>
Rationale	It ensures that AOM services shall enhance demand-capacity balancing for inbound and outbound traffic in normal operating conditions by timely and adequate coordination between APOC and ATC Supervisors and between APOC and NMOC, compared to CDM baseline, and that the probability of AOM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0006
Requirement	ATC Operators of What-if analysis tool shall be adequately trained on the use and limitations of the tool
Title	Safety what-if training
Status	<Validated>
Rationale	It ensures that AOM services enhances demand-capacity balancing for inbound and outbound traffic in normal operating conditions by timely and adequate coordination between APOC and ATC Supervisors and between APOC and NMOC, compared to CDM baseline, and that the probability of AOM services not adequately provided is very low.
Category	<Functional>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0007
Requirement	Procedures shall be in place describing working processes in case the AOM functions / tools (incl. Airport-DCB) interacting with ATC is out-of-service
Title	Safety procedures
Status	<Validated>
Rationale	It ensures that the probability of AOM services not timely provided is low.

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Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.03-OSED-MNGE.0010	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0008
Requirement	Weather forecast accuracy and reliability level for EDIM services and DIMT inputs (weather forecast parameters mean 2m temperature; dew point temperature; relative humidity; precipitation – type, occurrence and intensity; other weather elements are freezing fog and blowing snow) shall be high for enhancing de-icing sequence planning and management for outbound traffic
Title	EDIM Safety forecast accuracy and reliability
Status	<Validated>
Rationale	It ensures that EDIM services enhances de-icing sequence planning for outbound traffic, that EDIM information is timely and adequately shared with ATC and NM, that the probability of EDIM services not adequately provided is low, and that the probability of EDIM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET3.3014	<Partial>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

[REQ]

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Identifier	REQ-06.03.01-SPR-SAFR.0009
Requirement	A procedure shall be prepared describing working processes in case of the DIMT being out of service
Title	EDIM Safety procedures
Status	<Validated>
Rationale	It ensures that EDIM information is timely and adequately shared with ATC and NM, that the probability of EDIM services not adequately provided is low, and that the probability of EDIM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.0.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0010
Requirement	Information and awareness of the roles and use of the DIMT shall be ensured to all Stakeholders and Operational Users of EDIM information (incl. ATC Supervisors)
Title	EDIM Safety information
Status	<Validated>
Rationale	It ensures that EDIM services enhance de-icing sequence planning for outbound traffic, that EDIM information shall be timely and adequately shared with ATC and NM, that the probability of EDIM services not adequately provided is low, and that the probability of EDIM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.0.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0011
Requirement	De-icing coordinators shall be adequately trained for using DIMT, and reminded that DIMT is to facilitate optimized de-icing sequence
Title	Safety de-icing coordinators
Status	<Validated>
Rationale	It ensures that EDIM services enhance de-icing sequence planning for outbound traffic, and that the probability of EDIM services not adequately provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.0.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0012
Requirement	Mechanisms shall be provided to prevent corruption or undetected alteration induced by EDIM services to ATC-related data
Title	EDIM Safety ATC corruption data
Status	<Validated>
Rationale	It ensures that the probability of EDIM services not adequately provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.0.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Technical Supervision Airport	N/A

[REQ]

Identifier	REQ-06.03.01-SPR-SAFR.0013
Requirement	The APOC dashboard shall allow to establish an adequate vision of the current and planned Airport performance in order to support appropriate analysis of the situation and related decision-making for ATC matters
Title	Safety APOC vision
Status	<Validated>
Rationale	It ensures that AOM services enhance demand-capacity balancing for inbound and outbound traffic in normal operating conditions by timely and adequate coordination between APOC and ATC Supervisors and between APOC and NMOC, compared to CDM baseline, that the probability of AOM services not adequately provided is very low, that the probability of corrupting ATC-related data induced by AOM services is very low, and that the probability of AOM services not timely provided is low.
Category	<Performance>
Validation Method	<Expert Group (Judgement Analysis)>
Verification Method	<Inspection>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-OSED-APSO.0020	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Operations Plan Performance	N/A

3.10 Information Exchange Requirements (IER)

Note: for all the IERs the maximum time of delivery has been set at one minute as a first expert judgement that will have to be validated. It is expected that the systems that will support the SESAR Airport Operations Management concept use state of the art technology and, as such, allow seamless and “instantaneous” information exchanges.

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3.10.1 AOP IERs

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLID.0001	FL ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0002	Code Share ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0005	ARCID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0006	DOF	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0007	ARRDEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0009	GUFI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0010	IFPLID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0101	AC OP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0108	FL type	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0109	FL ST	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0110	Prioritisation Tag	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0111	REG	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0112	ARCCOD	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0113	ATYP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0114	WTC	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0205	TERM ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0003	FL ID next	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0102	AAST	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0104	SIBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0106	SLDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLID.0201	ADEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0203	DEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0004	FL ID previous	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0103	ADST	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0105	SOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0107	STOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0202	ADES	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0204	DEST	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0207	ARCID next	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0208	GUFI next	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0209	ARCID previous	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0210	GUFI previous	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0517	Flight Plan Status	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0518	DPI Status	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0001	Flight Status – SCH	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0021	Flight Status – CNX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0002	Flight Status - INI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0003	Flight Status – AIR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0004	Flight Status – FIR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0022	Flight Status – IDH	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0023	Flight Status – DIV	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0005	Flight Status - TMA	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.0006	Flight Status - FNL	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0024	Flight Status – GOA	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0007	Flight Status - TXI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0008	Flight Status - IBK	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0009	Flight Status - DBR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0010	Flight Status - DBC	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0101	TTA (inbound)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0103	CTA	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0104	TIAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0105	EIAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0106	AIAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0107	ASET	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0108	ASXT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0109	AFAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0201	ELDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0202	TLDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0203	ALDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0204	ROT – arrival	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0206	EIBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0205	TIBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0207	AIBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.0208	ACGT (AGHT – Actual Ground Handling Start Time)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0209	AEGT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0225	VTT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0226	EXIT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0227	AXIT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0501	RWYARR Request	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0502	RWYARR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0505	STAR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0507	RWY_Exit	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0509	GATEARR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0510	PKARR	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0513	Taxi Route	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0515	Flight Plan status	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0516	API status	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0520	TTA	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0206	MCT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0623	ADIV	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0624	DIV	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0026	Flight Status – SCH	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0028	Flight Status – CNX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0027	Flight Status - INI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.0016	Flight Status - RPO	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0011	Flight Status - BRD	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0012	Flight Status – BRC (or GCL)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0013	Flight Status - RDY	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0015	Flight Status - SBY	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0017	Flight Status - RDI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0018	Flight Status - TXO-D	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0019	Flight Status - DEI	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0014	Flight Status – TXO (or OBK or TAX)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0020	Flight Status – DEP (or AIR)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0025	Flight Status – RTN (or RET)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0102	TTA (outstation)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0258	ACGT – outbound	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0259	AEGT – outbound	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0210	ASBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0230	ARBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0211	TOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0212	EOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0213	AOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0231	ERDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0214	ARDT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0215	ASRT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.0216	TSAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0217	ASAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0218	APST	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0219	APET	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0220	CTOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0221	TTOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0222	ETOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0223	ATOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0224	ROT – departure	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0275	VTT-outbound	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0228	EXOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0232	EXOT – D	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0229	AXOT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0233	AXOT - D	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0301	ERZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0302	ARZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0303	ECZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0304	ACZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0305	EEZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0306	AEZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0307	EDIT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0308	ADIT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.0309	Name of de-icing position allocated	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0310	Target de-icing Hold Over time (THOT)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0311	Hold Over Time (HOT)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0312	De-Icing method required	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0313	Status – Aircraft Anti-iced	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0314	DIWT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0315	Expected De-icing	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0316	APZT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0503	RWYDEP Request	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0504	RWYDEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0506	SID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0508	RWY_Entry	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0511	GATEDEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0512	PKDEP	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0514	Taxi Route	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLID.0008	ATV ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0401	MTTT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0402	STTT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0403	ETTT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0404	ATTT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0630	API Message	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-FLTP.0631	DPI Message	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-FLTP.2020	TOBT fixation threshold (t)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0101	ARR BAGS	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0102	DEP BAGS	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0103	TRF BAGS	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0104	ARR CARGO	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0105	DEP CARGO	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0106	TRF CARGO	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0107	ARR PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0108	DEP PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0109	TRF PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0110	BELT ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0111	TOW	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0112	EST PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0113	CHECK PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0114	TG ID	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-LOAD.0115	TOBT PAX	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-CAPC.0101	Airport ID (IATA)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0102	Airport ID (ICAO)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0103	Airport Status Code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0104	Airport Status Description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0105	Runway State	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0106	Stand State	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-CAPC.0107	Taxiway State	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0108	De-Icing Position State	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0109	Declared Total Runway Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0110	Declared Arrival Runway Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time
IER-06.05.04-OSED-CAPC.0111	Declared Departure Runway Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0114	Declared Total TMA capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0115	Declared inbound TMA capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0116	Declared Outbound TMA capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0117	Declared Total Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0118	Declared Taxi-in Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0119	Declared Taxi-out Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0120	Declared Aircraft Stands Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0121	Declared On Stand De-Icing Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-CAPC.0122	Declared Remote De-Icing Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0123	Total declared airport capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0124	Declared Airport Arrival Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0125	Declared Airport Departure Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0201	TMA Configuration Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0202	TMA Configuration Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0203	Default Total TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0204	Default Inbound TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0205	Default Outbound TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0206	Actual Total TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0207	Actual Inbound TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-CAPC.0208	Actual Outbound TMA Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0299	Airport Capacity and event plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0300	Runway Configuration Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0301	Allocated Runway Use distribution plan - Saturation capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0302	Allocated Runway Use distribution plan - practical capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0306	Allocated Runway Use distribution plan - probability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0303	Manual input Runway Use distribution plan Indicator	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0304	Advised Runway Use distribution plan(s) – Saturation capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0305	Advised Runway Use distribution plan(s) - probability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0400	Default Total Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0401	Default Taxi-in Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-CAPC.0402	Default Taxi-out Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0403	Actual Total Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0404	Actual Taxi-in Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0405	Actual Taxi-out Ground Movement Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0406	Taxi-out Ground Movement Capacity - probability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0500	Stand Allocation Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0501	Actual Stand availability Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0600	De-icing stand Allocation Plan	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0610	Actual total Airport Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0611	Actual Airport Arrival Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0612	Actual Airport Departure Capacity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-CAPC.0701	Reason for Reduced TMA Capacity - code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0702	Reason for Reduced TMA Capacity – description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0703	Reason for Reduced Ground Movement Capacity – code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0704	Reason for Reduced Ground Movement Capacity – description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0705	Reason for Reduced Apron (Aircraft stand) Capacity - code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0706	Reason for Reduced Apron (Aircraft Stand) Capacity – description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0707	Reason for Reduced Runway Capacity – code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0708	Reason for Reduced Runway Capacity – description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0709	Reason for reduced Airport Capacity – code	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary
IER-06.05.04-OSED-CAPC.0710	Reason for reduced Airport Capacity - description	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	Some of this data is updated in real time already today. In some systems and displays this will not be strictly necessary

3.10.2 MET IERs

3.10.2.1 General MET IERs

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MET1.0001	Meteorological data	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0002	METAR	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0003	MET REPORT	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0004	TAF	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0005	TREND	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0006	Airport Warning MET	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0007	SNOWTAM	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0008	Adverse weather condition	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET1.0009	Reduced set of MET data	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	

3.10.2.2 MET parameter IERs: direct meteorological parameters

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MET2.0001	Cloud Base	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0002	Ceiling or vertical visibility information	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0003	Cloud amount	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0004	Mean surface wind direction	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0005	Surface wind direction probability forecasts	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0006	Mean surface wind speed	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MET2.0007	Surface wind gusts	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0008	Cross wind speed for all runways	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0009	Head wind speed for all runways	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0011	Winds aloft: mean wind speed	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0012	Winds aloft: mean wind direction	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0013	Probabilistic winds aloft forecast	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0014	Probabilistic winds aloft forecast	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0015	QFE	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0016	QNH	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0017	Visibility	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0018	RVR per Runway (segment)	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0019	Mean 2m Temperature	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0020	Dew Point Temperature	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0021	Surface Temperature	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0022	Relative Humidity	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0023	Precipitation observations	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0024	Occurrence of liquid precipitation, snowfall, freezing precipitation	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0025	Thunderstorm/CB cell activity/lightning data	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0026	Turbulence situation	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0027	Wind shear	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0028	Occurrence and magnitude of low level temperature inversions	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MET2.0029	Runway contaminants	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET2.0030	Present weather elements	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	

3.10.2.3 MET parameter IERs: derived parameters

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MET3.0001	Adverse weather	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET3.0002	Electrical storm warnings	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET3.0003	De-Icing Category	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET3.0004	LVP conditions	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-MET3.0005	Probabilistic Thunderstorm Area Forecast	<Data>	Periodical	<No Effect>	<Restricted>	One Minute	<One-way>	New in this edition

3.10.3 Steer Airport Performance Service IERs

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-STPF.0001	Alert / warning – Aircraft Stand shortage Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0002	Alert / warning – Ground Movement Capacity Shortage Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0003	Alert / warning - Arrival Capacity Shortage Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0004	Alert / warning - Departure Capacity Shortage Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0005	Alert / warning - TMA Capacity Shortage Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0006	Alert / warning - Average Arrival Delay Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-STPF.0007	Alert / warning - Arrival Punctuality Delay Thresholds	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0008	Alert / warning - Average Departure Delay Threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0009	Alert / warning - Departure Punctuality Thresholds	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0010	Alert / warning - Average Ground Movement Delay Threshold (Taxi-in)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0011	Alert / warning - Ground Movement Punctuality thresholds (Taxi-in)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0012	Alert / warning - Average Ground Movement Delay Threshold (Taxi-out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0013	Alert - Ground Movement Punctuality thresholds (Taxi-out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0014	Alert / warning – Airborne status threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0015	Alert – Take-Off threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0016	Alert – Passenger Boarding threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0017	Alert – TOBT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0018	Alert – ASBT TOBT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0019	Alert – TSAT TOBT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0020	Alert – ASRT TSAT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0021	Alert – ASAT TSAT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0022	Alert – TOBT EOBT threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0023	Alert – Air holding threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0024	Alert – Landing ROT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.0025	Alert – Take-Off ROT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-STPF.1001	MET parameter thresholds	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1002	Adverse weather thresholds	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1003	End of lightning activity	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1004	MET parameters	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1005	Time resolution of each MET parameter	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1006	Time span of each MET parameter	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1007	Subscription parameters for specific MET service	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1008	MET parameter thresholds for de-icing conditions	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1009	Subscription criteria	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1011	Time resolution of the provided MET forecast data	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1012	Probabilistic thunderstorm forecasts	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.1013	Retention time	<Data>	Ad hoc	<Minor>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2001	TWY capacity change probability threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2002	TMA capacity change probability threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2003	practical capacity planning buffer	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2004	prioritization rules for arrival and departure	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2005	TTA issuance rule	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2006	TTA tolerance window	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2007	max crosswind	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2008	max gust speed	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2009	crosswind probability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2010	gust speed probability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-STPF.2011	delay increase threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2012	delay reduction threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2013	target function improvement threshold	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-STPF.2020	TOBT fixation threshold (t)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

3.10.4 Monitor Airport Performance Service IERs

3.10.4.1 Aircraft process monitor

3.10.4.1.1 Performance data

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-PERF.0101	Operational Arrival Demand	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0102	Operational Departure Demand	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0103	Apron Stand Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0104	Air Holding	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0105	Arrival Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0106	Arrival Flight Delay per flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0107	Arrival Flight Delay average	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0108	Arrival Flight Punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0109	Departure Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0110	Departure Flight Delay per flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0111	Departure Flight Delay average	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0112	Departure Flight Punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-PERF.0113	Ground Movement Capacity Shortage (Taxi-in)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0114	Ground Movement Delay per flight (Taxi-In)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0115	Ground Movement Delay average (Taxi-In)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0116	Ground Movement Delay per flight (Taxi-Out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0117	Ground Movement Capacity Shortage (Taxi-out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0118	Ground Movement Delay average (Taxi-Out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0119	Knock-on Effect: A/C changes	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0120	Knock-on Effect: Flight Cancellations	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0121	Landing Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0122	Landing Delay per flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0123	Landing Delay average	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0124	Landing Punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0125	Take-Off Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0126	Take-Off Delay per flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0127	Take-Off Delay average	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0128	Take-Off Punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0129	TMA Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0130	Apron Turnaround Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0131	Apron Turnaround Delay average	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0201	Apron Efficiency	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0202	Runway Efficiency	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0203	Turnaround Predictability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-PERF.0204	Arrival Predictability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0205	Departure Predictability	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0206	CTOT Compliance	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0207	Arrival Separation	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0208	Departure Separation	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0209	SID Loading	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0210	STAR loading	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database

3.10.4.1.2 Warnings and alerts

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ALRT.0001	Alert / warning – aircraft stand shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0002	Alert / warning – Arrival capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0003	Alert / warning – Departure capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0004	Alert / warning – Landing (runway) capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0005	Alert / warning – Take-Off (runway) capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0006	Alert / warning – Ground Movement (Taxi-in) Capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0007	Alert / warning – Ground Movement (Taxi-out) capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0008	Alert / warning – TMA capacity shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0009	Alert / warning – Arrival Flight Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0010	Alert / warning – Average Arrival Flight Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0011	Alert / warning – Arrival Flight punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ALRT.0012	Alert / warning –Departure Flight Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0013	Alert / warning – Average Departure Flight Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0014	Alert / warning – Departure Flight punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0015	Alert / warning –Landing Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0016	Alert / warning – Average Landing Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0017	Alert / warning – Landing punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0018	Alert / warning –Take-Off Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0019	Alert / warning – Average Take-Off Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0020	Alert / warning – Take-Off punctuality	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0021	Alert / warning – Average ground movement delay (taxi-in)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0022	Alert / warning – Average ground movement delay (taxi-out)	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0023	Alert / Warning – Apron Turnaround Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0024	Alert / Warning – Average Apron Turnaround Delay	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0101	Alert - Stand conflict	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0102	Alert - Airborne Status	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0103	Alert - Take Off	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0104	Alert - Passenger Boarding	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0105	Alert / warning - Target Off-Block Time	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0106	Alert - ASBT TOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0107	Alert – TSAT TOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0108	Alert - ASRT TSAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ALRT.0109	Alert - ASAT TSAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0110	Warning – TOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0111	Alert – TOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0112	Alert - TOBT EOBT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0113	Alert / warning – Air Holding	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0114	Alert – landing ROT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0115	Alert – take-off ROT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0117	Alert – Industrial action	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0118	Alert – Failure technical systems	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0119	Alert – AOBT TSAT	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0120	Alert – Runway Capacity Change	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0121	Alert – Taxiway Capacity Change	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0122	Alert – TMA capacity Change	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0123	Alert – Apron (Aircraft Stands) Capacity Change	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0124	Alert / Warning – Meteorological conditions	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0125	Alert / Warning – Meteorological conditions	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0126	Alert / Warning – Meteorological conditions, Indicator for Manual override	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

3.10.4.2 Passenger process monitor

3.10.4.2.1 Performance data

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-PERF.0501	Border Control Waiting Time	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0502	Border Control Capacity Imbalance	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0503	Security Control Waiting Time	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0504	Security Control Capacity Imbalance	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0505	Passenger Border Control Flow	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0506	Passenger Security Control Flow	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database
IER-06.05.04-OSED-PERF.0507	Waiting time to connecting flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the AOP monitor and the AOP database

3.10.4.2.2 Warnings and alerts

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ALRT.0501	Alert / Warning – Border Control Waiting Time	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0502	Alert / Warning – Border Control Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0503	Alert / Warning – Security Control Waiting Time	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0504	Alert / Warning – Security Control Capacity Shortage	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0505	Alert / Warning – Passenger Border Control Flow	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0506	Alert / Warning – Passenger Security Control Flow	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	
IER-06.05.04-OSED-ALRT.0507	Alert / Warning – Waiting time to connecting flight	<Data>	Ad hoc	<No Effect>	<Restricted>	One Minute	<One-way>	

3.10.5 Manage Airport Performance Service IERs

3.10.5.1 Assess Overall Impact Process

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-AOIP.1000	Overall Impact Message	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1100	Overall Impact Message – Message Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1201	Alert Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1202	Alert/Warning code	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1203	Alert/Warning description	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1204	Probability of occurrence	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1205	Disruption Duration	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1206	Disruption Location	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1207	Responsible Stakeholder	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1208	Other stakeholders affected	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1209	Experience(s) from the past	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-AOIP.1300	Overall Impact Message - Overall Impact for KPI [n]	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-AOIP.1400	Overall Impact Message – Severity Level	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

3.10.5.2 Make Decision Process and Adverse Conditions

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MDEC.1000	Confirmation request	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.1100	Confirmation request - Stakeholder Identification	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.1200	Confirmation request – Overall Impact Message Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.1300	Confirmation request – Confirmation status	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.2000	Confirmation message	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.2100	Confirmation message - Stakeholder Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.2200	Confirmation message – Overall Impact Message Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-MDEC.2300	Confirmation message – Confirmation status	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.3000	Candidate solution [X]	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.4000	Impact on candidate solution [X]	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5000	Solution Message	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5001	Solution message identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5002	Alert/Warning Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5003	Overall Impact Message Identifier	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5006	Additional Goals And Criteria	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5005	Candidate Solution(s)	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-MDEC.5004	Selected Solution	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1001	Predefined Solution Table	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ADCO.1002	Stakeholder name	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1003	Cancel flight	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1004	Delay flight	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1005	Change TOBT	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1006	Change TSAT	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1007	Change TTOT	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1008	Change TTA	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1009	Repositioning	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1010	Other	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1011	Comments	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1012	Alert/Warning code	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

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Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-ADCO.1013	Problem description	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database
IER-06.05.04-OSED-ADCO.1014	Candidate solution [X]	<Data>	Ad hoc data update upon APOC A-CDM process steps	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is within the APOC tool and the AOP database

3.10.6 Perform Post Operations Analysis Service IERs

[IER]

Identifier	Name	Content Type	Frequency	Safety Criticality	Confidentiality	Maximum Time of Delivery	Interaction Type	Free
IER-06.05.04-OSED-POPS.0001	Addressee of a published post operations analysis report	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0002	Addressees of a draft post operations analysis report for review	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0003	Expert to be contacted by the Post Operations Analyst to get support when defining a post operations analysis report	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0004	Periodicity of a post operations analysis report	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0005	Draft post operations analysis report for review	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0006	Commented post operations analysis report	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database
IER-06.05.04-OSED-POPS.0007	Final post operations analysis report	<Data>	Ad hoc Upon Post Operation Platform update	<No Effect>	<Restricted>	One Minute	<One-way>	The data exchange is between the Post Operation Platform and the AOP database

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3.11 List of deleted Performance Requirements

As outcome of EXE-06.06.02-VP-513, Expert Groups and Gaming Exercises performed by the OFA 05.01.01 in P06.03.01, a small number of requirements requirements present in the previous SPR were considered to no longer be necessary.

3.11.1 Performance Requirements related to De-Icing

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0001
Requirement	Input format for de-icing related data shall be formally defined
Title	DEICE-PERF-1
Status	<Deleted>
Rationale	Basic functionality in DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0005
Requirement	Training shall be performed with focus on use, control and intervention with DIMT in order to evaluate parameters
Title	DEICE-PERF-5
Status	<Deleted>
Rationale	Basic training for DI agents
Category	<Operational><Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0007
Requirement	Estimates of time values shall be compiled based on multiple inputs from different De-icing agents
Title	DEICE-PERF-7
Status	<Deleted>
Rationale	Verification of DIMT calculations
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0008
Requirement	De-icing best practice (e.g. lowest achieved time values) shall be used as basis for learning cases for other De-icing agents
Title	DEICE-PERF-8
Status	<Deleted>
Rationale	Training requirement for DI agents
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Turn-Round Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0002.0019
Requirement	If many stakeholders are affected by an update of MET data the operational consequences should be handled in collaboration between those affected
Title	DEICE-PERF-19
Status	<Deleted>
Rationale	A-CDM
Category	<Operational><Performance>
Validation Method	<Gaming Technique (Agent Based Analysis)>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0010	<Partial>
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Turn-Round Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0108.0003
Requirement	The DIMT shall contain Unit Allocation Algorithm "Use of all available De-icing Units"
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>

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<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0501.0001
Requirement	The DIMIT shall be able to receive Flight Information contained in the Flight De-icing Record Information object
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resource and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0507.0002
Requirement	The DIMIT shall be able to receive forecasted weather information containing meteorological parameters: mean 2m temperature; dew point temperature; relative humidity; precipitation – type, occurrence and intensity; other weather elements – freezing fog and blowing snow
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Aerodrome Weather Information Management	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0801.0009
Requirement	The De-icing Coordinator shall have the possibility to add desired information fields from Flight De-icing Record to the list view of the De-icing Plan
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>

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<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0805.0003
Requirement	The notification content of a cancellation of an actual request for de-icing shall be USER configurable
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><HMI><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0808.0001
Requirement	The De-icing Coordinator shall be able to manually register a Shadow Flight containing information regarding: Flight Number, SOBT, De-icing Position, Aircraft Registration, ICAO Aircraft Type
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0808.0002
Requirement	It shall be possible for the De-icing Coordinator to choose whether to publish the Shadow Flight information in the AOP
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic requirement for de-icing coordinator
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0020	<Partial>
<ALLOCATED TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED TO>	<Functional Block>	Airport Operations Plan Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0809.0008
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Project Number 06.03.01
D147 - OFA 05.01.01 Final Safety and Performance Requirements

Requirement	The De-Icing Coordinator shall have the possibility to manually override the Target Hold Over Time (THOT)
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0003
Requirement	The grid view shall contain three full days – the day before present day, present day and the next upcoming day – and it shall be possible to scroll horizontally
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0004
Requirement	The horizontal time line shall show blocks of 5 minutes, 15 minutes, 30 minutes, and 60 minutes
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0015
Requirement	Upon a notification from the Unit Allocation Algorithm the frame around the rectangular area representing a flight shall change colour to red
Title	DIMT Execution Requirements

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Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0016
Requirement	Upon Confirmation of assignment from De-icing Unit Operator the frame around the rectangular area representing a flight shall change colour to blue, not overriding a warning notification
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0019
Requirement	The trash box shall be able to be adjusted in height by the user and possible to scroll, both vertically and horizontally
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0021
Requirement	Unallocated flights shall be placed in the trash box along the horizontal time line axis according to their EOBT, where the left side is EOBT -5 on the time axis and the right side is EOBT on the time axis
Title	DIMIT Execution Requirements
Status	<Deleted>

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Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0022
Requirement	Unallocated flights with the same EOBT and placed in the trash box shall not overlap each other in the trash box
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0024
Requirement	When the Weather Category changes, a notification shall be displayed in the grid view
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0025
Requirement	The grid view shall allow access to a full view of the weather parameters
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0026
Requirement	Day of the week, date, month and year shall be displayed in the grid view
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0027
Requirement	The grid view shall allow access to a detailed information view of the rectangular area representing a flight
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0028
Requirement	The detailed information for a flight shall contain the information in Flight De-icing Record and Flight Information objects
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A

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<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0030
Requirement	The detailed information view of the De-icing Units shall contain the information in the Unit Information object
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0033
Requirement	The grid view shall allow the De-icing Coordinator to render one or more unavailable De-icing Unit(s) available for a certain time span
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0035
Requirement	The grid view shall allow the De-icing Coordinator to change ECZT for a flight by drag and drop along time line axis
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-0810.0036
Requirement	The grid view shall allow the De-icing Coordinator to add or remove De-icing Units to/from a flight
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0037
Requirement	All re-allocations and changes shall be confirmed by the De-icing Coordinator
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0810.0038
Requirement	All re-allocations and changes confirmed by the De-icing Coordinator shall automatically trigger re-calculation of the De-icing Plan
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

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Identifier	REQ-06.06.02-SPR-0816.0002
Requirement	Upon receipt of a Confirmation of a de-icing assignment from De-icing Unit Operator the DIMT shall change colour of the frame around the rectangular area representing a flight in the grid view and visualize the confirmation in the list view of flights
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0819.0001
Requirement	Upon receipt of weather parameters <value>, Weather Category <value> shall be set by the DIMT for specified time span, with the use of mapping matrixes
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0820.0001
Requirement	The DIMT shall be able to read and transform METAR information into meteorological parameters: temperature; dew point temperature; precipitation – type, occurrence and intensity; other weather elements – freezing fog
Title	DIMT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

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[REQ]

Identifier	REQ-06.06.02-SPR-0821.0001
Requirement	The DIMIT shall be able to read and transform forecasted weather information for specified time span into meteorological parameters: mean 2m temperature; dew point temperature; relative humidity; precipitation – type, occurrence and intensity; other weather elements – freezing fog and blowing snow
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Tactical Management	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0407.0001
Requirement	The De-icing Coordinator shall be able to insert a Target Hold Over Time (THOT) for a single flight and/or a series of flights
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

[REQ]

Identifier	REQ-06.06.02-SPR-0407.0002
Requirement	The De-icing Coordinator shall be able to insert a Target Hold Over Time (THOT) for flights within a specified time span chosen by the De-ice Coordinator
Title	DIMIT Execution Requirements
Status	<Deleted>
Rationale	Basic functionality in the DIMIT
Category	<Functional><Performance>
Validation Method	<Shadow Mode>
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<APPLIES_TO>	<Operational Focus Area>	OFA05.01.01	N/A
<SATISFIES>	<ATMS Requirement>	REQ-06.06.02-OSED-0001.0040	<Partial>
<ALLOCATED_TO>	<Functional Block>	Airport Resources and Facilities Planning	N/A

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4 References and Applicable Documents

This section identifies the documents (name, reference, source project) the SPR has to comply to or to be used as additional inputs for the SPR.

4.1 Applicable Documents

This SPR complies with the requirements set out in the following documents:

- [1] Template Toolbox 03.00.00
- [2] Requirements and V&V Guidelines 03.00.00
- [3] Templates and Toolbox User Manual 03.00.00
- [4] EUROCONTROL ATM Lexicon
- [5] SESAR Data Navigator Models ATM Master Plan Step 1 DS 16
- [6] SESAR Safety and Performance Requirements Template 03.00.00

4.2 Reference Documents

- [7] ED-78A GUIDELINES FOR APPROVAL OF THE PROVISION AND USE OF AIR TRAFFIC SERVICES SUPPORTED BY DATA COMMUNICATIONS.
- [8] Performance Framework (Edition 1), SESAR Project B.04.01, D40, Edition 01.00.00
- [9] B.4.3 Architecture Description Document
- [10] SESAR Safety Reference Material
- [11] SESAR Security Reference Material
- [12] SESAR Environment Reference Material
- [13] SESAR Human Performance Reference Material
- [14] SESAR Business Case Reference Material
- [15] B.04.01, Integrated Roadmap DS16 Release Note, D84, 00.01.00, 25/05/2016
- [16] OFA 05.01.01 Operational Service and Environment Definition document, SESAR Project 06.05.04, D08, Edition 00.03.00
- [17] De-icing Step 1 V2 - Safety and Performance Requirements (SPR), SESAR Project 06.06.02, D06, Edition 00.01.00
- [18] SESAR Safety Reference Material, SESAR Project 16.06.01, D06-002, Edition 00.02.02
- [19] Guidance to Apply the SESAR Safety Reference Material, SESAR Project 16.06.01, D06-002, Edition 00.01.02
- [20] OFA 05.01.01 Operational Service and Environment Definition document, SESAR Project 06.05.04, D07, Edition 00.01.00
- [21] Airport Detailed Operational Description (DOD) Step 1, SESAR Project 06.02, D07, Edition 01.00.01
- [22] Task 6.5.1-T004 – Identification of Key Performance Areas and Focus Areas, SESAR Project 06.05.01, D04, Edition 00.01.01
- [23] Performance Assessment Report (PAR) for OFA 05.01.01, SESAR Project B.05, D66, Edition 00.00.02
- [24] Recommendations for De-icing / Anti-icing Aeroplanes on the Ground, Association of European Airlines, 27th Edition, July 2012
- [25] OFA 05.01.01 – Proposed changes to OSED Edition 2 from SPR V2 task, SESAR Project 06.05.04

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- [26] OFA 05.01.01 OFA 05.01.01 Preliminary Safety and Performance Requirements Document, SESAR Project 06.05.04, D11, Edition 00.01.01
- [27] EUROCONTROL, Safety Assessment of Airport Collaborative Decision Making (A-CDM), edition 2.0, 1st February 2016
- [28] EUROCONTROL, Airport Collaborative Decision Making (A-CDM) Safety Case Guidance Material, edition 2.0, 1st February 2016
- [29] 12.01.07- SESAR 1 Airport Technical Architecture Description, SESAR Project 12.01.07, D30 Edition 00.02.00
- [30] OFA 05.01.01 OFA 05.01.01 Preliminary Safety and Performance Requirements Document, SESAR Project 06.05.04, D19, Edition 00.02.01; July 2015
- [31] OFA 05.01.01 Operational Service and Environment Definition document, SESAR Project 06.03.01, D145, Edition 4, November 2016
- [32] P2232D003 Cyber-security application for SESAR OFA 05 01 01 - D2 Draft Final Report – 19 August 2016

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Appendix A. Assessment / Justifications

A.1 Safety and Performance Assessments

A.1.1 Safety assessment

Considering the assessed lack of direct safety impact of AOM services onto ATM functions, complex ATM models at logical level (with elements performing ATM functions) are not deemed relevant for use to derive safety requirements.

A logical approach, based on best practices to maximise adequate actions by and information provision to users, and minimize potential errors or failures is rather followed.

The full safety assessment of OFA 05.01.01 Airport Operations Planning and Management report is available through the following link:



20160829_SESAR
OFA5.1.1_AOM_Safe

A.1.1.1 Assurance of the Safe Design

The OFA validation exercises do not directly allow verification, through safety indicators such as rate of inbound or outbound traffic conflicts (strategical, pre-tactical or tactical), of the safety impact of AOM services, and therefore the formal demonstration of satisfaction of safety criteria.

London Heathrow airport has implemented and is operating an APOC. Roles and functions have been clearly defined for all Stakeholders, and this is an essential element contributing to safe operations, and in line with the set of safety requirements previously formulated.

Consultation of ATC Supervisors about possible safety impact of AOM and EDIM services should also provide further assurance that no negative safety effect has been experienced.

A.1.1.1.1 Outline of Accident Incident Model (AIM)

This section presents the ATM related Accident-Incident Models (AIM), on which the definition of the Safety Criteria are based:

- The AIM for runway collision;
- And the AIM for taxiway collision.

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A.1.2 Security risk assessment

In the domain of Cyber-security, an exploratory study has been performed during SESAR1 into cyber-security issues associated to an APOC and the Total Airport Management concept [32]. Whilst it is currently too early to generate requirements in this version of the OSED, the study did succeed in identifying a number of issues which will need to be considered in SESAR2020 as well as providing guidance material linked to the Risk Assessment activity within PJ04.

A.1.3 Environment impact assessment

Not available.

A.1.4 OPA

Not available.

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-END OF DOCUMENT-

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