



Phase 3 - Improved Weather Information System Requirements

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Abstract

The purpose of this deliverable is the definition of the Phase 3 system requirements for the Improved Weather Information System (IWIS).

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Reviewed By - <i>Other SESAR projects, Airspace Users, staff association, military, Industrial Support, other organisations.</i>		
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Rejected By - <i>Representatives of the company involved in the project.</i>		
Name & Company	Position & Title	Date
None.		

Rational for rejection
None.

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00.01.02	15/07/2015	Final	██████████	After comments from 06.05.05

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Table of Contents

EXECUTIVE SUMMARY	5
1 INTRODUCTION	6
1.1 PURPOSE OF THE DOCUMENT	6
1.2 INTENDED READERSHIP	6
1.3 INPUTS FROM OTHER PROJECTS	6
1.4 STRUCTURE OF THE DOCUMENT	6
1.5 REQUIREMENTS DEFINITIONS – GENERAL GUIDANCE	7
1.6 FUNCTIONAL BLOCK PURPOSE.....	10
1.7 FUNCTIONAL BLOCK OVERVIEW	10
1.8 GLOSSARY OF TERMS.....	11
1.9 ACRONYMS AND TERMINOLOGY.....	12
2 GENERAL FUNCTIONAL BLOCK DESCRIPTION	13
2.1 CONTEXT	13
2.2 FUNCTIONAL BLOCK MODES AND STATES	13
2.3 MAJOR FUNCTIONAL BLOCK CAPABILITIES	13
2.4 USER CHARACTERISTICS	14
2.5 OPERATIONAL SCENARIOS.....	14
2.6 FUNCTIONAL DESCRIPTION.....	14
2.7 SERVICE VIEW.....	15
3 FUNCTIONAL AND NON-FUNCTIONAL REQUIREMENTS	16
3.1 CAPABILITIES	16
3.1.1 <i>Aerodrome ICAO bulletins Requirements</i>	16
3.1.2 <i>MET parameter requirements</i>	21
3.1.3 <i>HMI Requirements</i>	52
3.2 ADAPTABILITY	53
3.3 PERFORMANCE CHARACTERISTICS	56
3.4 SAFETY & SECURITY	56
3.5 MAINTAINABILITY	56
3.6 RELIABILITY	56
3.7 FUNCTIONAL BLOCK INTERNAL DATA REQUIREMENTS.....	56
3.8 DESIGN AND CONSTRUCTION CONSTRAINTS	56
3.9 FUNCTIONAL BLOCK INTERFACE REQUIREMENTS	56
4 ASSUMPTIONS.....	57
5 REFERENCES	58
5.1 REFERENCE TO MAIN DOCUMENTATION.....	58
5.2 USE OF COPYRIGHT / PATENT MATERIAL /CLASSIFIED MATERIAL	58

List of tables

Table 1: Requirements layout block.....	7
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List of figures

Figure 1: Aerodrome ATC Domain System - Functional Breakdown **Error! Bookmark not defined.**

Figure 2: MET Architecture - Consolidated view **Error! Bookmark not defined.**

Executive summary

This document is the Phase 3 Technical Specification of project 12.07.05 “Improved Weather Information System”. Phase 3 system requirements are defined mainly on the basis of the operational requirements provided in [7] and [8], and of the Phase 2 system requirements document [12].

Phase 1

Main functionalities of the IWIS prototype implemented in Phase 1 are:

- to receive aerodrome weather observation and short time forecast data;
- to evaluate the weather impact on the airport arrivals and departures capacity, according to the OSED 06.05.05 deliverable D03 [13];
- to dispatch via SWIM collected weather data and computed airport capacity data, making them available to various stakeholders and other SESAR prototypes.

Phase 2

In Phase 2, the capability to evaluate the airport capacity has been allocated to a new system (the Runway Management tool (RMAN)) to allow Demand and Capacity Balancing in accordance with [7]. RMAN takes into account the aspects that contribute to determine the current and forecasted airport capacity, including the weather impact.

With the aim to help the collaborative decision making, the capability to create ICAO bulletins and publish them on SWIM was added to the Phase 2 IWIS prototype

So, the main functionalities of the IWIS prototype for the Phase 2 were:

- to receive measured and forecasted values of meteorological parameters relevant for the aerodrome activity, and process them to obtain the values of computed meteorological parameters (for instance, the runway cross component of the wind speed).
- to allow to create manually METAR/SPECI, TAF, and SNOWTAM ICAO bulletins;
- to dispatch via SWIM current and forecasted values of meteorological parameters, and ICAO bulletins.

Phase 3

In Phase 3 the functionalities of the IWIS prototype implemented in Phase 2 are maintained, and added the capabilities to:

- create manually METREPORT and TREND ICAO bulletins,
- to dispatch via SWIM METREPORT and TREND ICAO bulletins.
- receive meteorological warnings/alerts messages (see [8]),
- dispatch via SWIM received meteorological warnings/alerts messages.

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1 Introduction

1.1 Purpose of the document

This document is the Phase 3 Technical Specification of project 12.07.05 “Improved Weather Information System” (IWIS). Here, the system requirements of the implemented prototype are defined, on the basis of the MET-related operational requirements provided in [7] and [8].

1.2 Intended readership

According to the scope of project 12.07.05, many SESAR projects can be interested in this document, for instance:

- P06.05.05 - Integration of MET Data into APOC processes,
- P11.02.01 - Requirements for MET Information,
- P11.02.02 - MET Information System Development, Verification & Validation,
- P12.01.07 – Airport Systems Specification drafting and maintenance,
- P12.02.01 - Runway Management tools,
- P12.06.03 - Enhanced MET-systems with CDM,
- P15.04.09c - Ground Weather Monitoring system.

1.3 Inputs from other projects

Inputs for 12.07.05 are the following deliverables from project 06.05.04:

- OFA 05.01.01 Operational Service and Environment Definition (OSED) document, Edition 3 (D16, Part 1 and Part 2),
- OFA 05.01.01 Interoperability Requirements (INTEROP) document, Edition 2 (D20).

1.4 Structure of the document

This document is structured as follows:

Chapter 1: Introduction

Chapter 2: General functional description

Chapter 3: Functional and Non-Functional Requirements

Chapter 4: Assumptions

Chapter 5: References

1.5 Requirements Definitions – General Guidance

This document describes the requirements to be satisfied by IWIS Phase 3 prototype. Requirements are classified in accordance with the following sets:

- Capability requirements
- Adaptability requirements,
- Performance Characteristics requirements,
- Safety & Security requirements,
- Maintainability requirements,
- Reliability requirements,
- Functional block Internal Data requirements,
- Design and Construction Constraints,
- Functional block Interface requirements.

In order to describe the requirements in a common way, the description shall use the requirement layout block described in Templates and Toolbox User Manual [3] (par. 2.2.2).

The requirement layout block is:

[REQ]

Identifier	
Requirement	
Title	
Status	
Rationale	
Category	
Validation Method	
Verification Method	

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<Enabler>	Enabler code	<Full>
<SATISFIES>	<ATMS Requirement>	INTEROP or SPR Requirement Identifier	<Full>
<ALLOCATED_TO>	<Functional block>	Functional block Identifier	N/A
<APPLIES_TO>	<Operational Focus Area>	Operational Focus Area Identifier	N/A
<CHANGED BECAUSE OF>	<Change Order>	Change reference	N/A
<ALLOCATED_TO>	<Project>	Project Identifier	N/A

Table 1: Requirements layout block

The “REQ” table is composed by:

- **Identifier:** An unique identifier (e.g. REQ-12.07.05-TS-NNNN.UUU) having the following structure defined in [2] (Chap. 4):
 <Object type>-<Project code>-<Document code>-<Reference code>.<Reference number>.

For requirements defined in this Technical Specification:

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- <Object type> is REQ (i.e. Requirement),
 - <Project code> IS 12.07.05,
 - <Document code> is TS (i.e. Technical Specification),
 - NNNN is the <Reference code>, a sequence of 4 alphanumeric characters, to refer a requirements set:
 - ✓ 0001 for Capability Requirements
 - ✓ 0002 for Adaptability Requirements
 - etc.
 - UUUU is the <Reference number>, an incremental sequence of 4 digits, to identify a particular requirement inside a requirements set.
- **Requirement:** Description of the requirement.
 - **Title:** Requirement title
 - **Status:** Requirement Status may be:
 - <In Progress> if the requirement is valid;
 - <Deleted> if the requirement is no longer valid and it has been deleted
 - **Rationale:** This attribute should be a short text to explain the reason behind the need of this requirement.
 - **Category:** This attribute defines the type(s) of the requirement and aids collecting requirements into groups for analysis and allocation. The attribute can have as value any combination of the following list of values:
 - <Design>,
 - < Functional >,
 - <HMI>,
 - <interface >,
 - <Interoperability>,
 - <Maintainability>,
 - <Operational>,
 - <Performance>,
 - <Reliability>,
 - <Safety>,
 - <Security>,
 - <Metadata>.
 - **Validation Method:** This attribute identifies roughly the method to be used for the validation of this requirement. This attribute can have as value any combination of the following:
 - <Dress Rehearsal>

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- <Flight Trial>
- <Fast Time Simulation>
- <Live Trial>
- <Real Time Simulation>
- <Shadow Mode>
- <Gaming Technique (Agent Based Analysis)>
- <Expert Group (Judgment Analysis)>
- <Analytical Modeling>
- **Verification Method:** This attribute identifies the method to be used for the verification of this requirement. This attribute can have as value any combination of the following
 - <Review of Design>
 - <Analysis>
 - <Inspection>
 - <Test>

The “REQ Trace” table is composed by the following four columns:

- **Relationship:** It specifies the type of link (e.g. <SATISFIES>, <ALLOCATED_TO>, <APPLIES_TO>, <CHANGED_BECAUSE_OF>). This column can have only one value.
- **Linked Element Type:** As the different type of links can connect different types of elements, the element type needs to be specified. This column can have only one value.
- **Identifier:** It contains the identifier of the element to which the requirement is linked. This column should only contain one identifier.
- **Compliance:** The compliance cell is only relevant for <SATISFIES> links.
 - For the <SATISFIES> link type (Relationship), the compliance gives an estimate on how well this requirement meets the referenced requirement. It can have one of the following values:
 - ✓ <Full> when the requirement is 100% compliant with the linked requirement
 - ✓ <Partial> when the requirement is not 100% compliant with the linked requirement
 - ✓ <None> when the requirement is linked to but does not meet the linked requirement due to specific reasons (e.g. technology etc.).
 - For all other types of links, the compliance is N/A which indicates that it is not applicable.

1.6 Functional block Purpose

Project 12.07.05 has in charge to develop a prototype that makes available on SWIM meteorological sensors data, airport warnings/alerts, and ICAO bulletins, to be used by airport stakeholders and other SESAR systems.

With reference to the 12.01.07 TAD [6], the functional block addressed by project 12.07.05 is “Aerodrome Weather Information Management”.

1.7 Functional block Overview

The “Aerodrome Weather Information Management” functional block provides, by means of SWIM, inputs to various systems and Airport stakeholders for a common weather situation awareness.

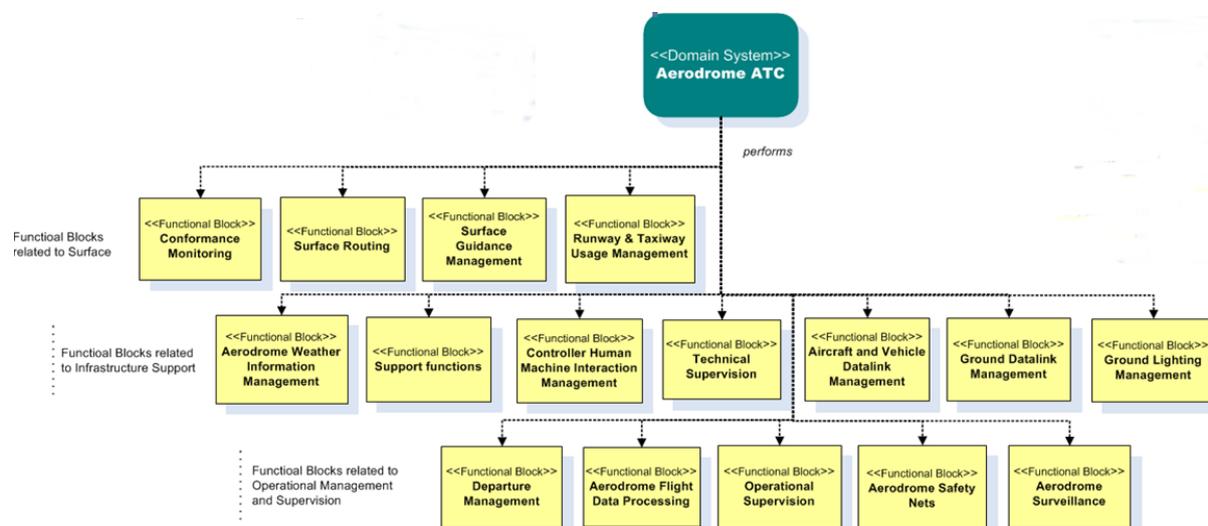


Figure 1: Aerodrome ATC Domain System - Functional Breakdown

The following Aerodrome ATC Domain System functional blocks of the WP12 architecture [6] have been identified as related to the “Aerodrome Weather Information Management”:

- **Support Functions**

This functional block does not provide ATM Services at operational time. It contains at least the following functions:

- Recording – To record the data related to the Aerodrome ATC.
- Playback – To provide support for display and voice playback.
- Data analysis – To provide support for maintenance, investigation etc.

- **Technical Supervision**

D11 - Phase 3 - Improved Weather Information System Requirements

This functional block is in charge to perform the technical supervision of Aerodrome ATC systems. Technical Supervision contains the following functions:

- Presenting technical and functional systems status.
 - Providing failure detection and analysis assistance (to generate alarm or warning on failure detection).
 - Providing support for data analysis (to enable queries on historic of events).
 - Providing supervision commands and actions from eligible operators (e.g. (re)start/stop/stand-by/reset/switch-over), giving the capability to perform maintenance activities.
-
- **Runway and Taxi-way Usage Management**

This functional block is in charge to manage the scheduling and real-time allocation of runways and taxi-ways with the goal to increase airport efficiency and capacity.

1.8 Glossary of terms

N/A

1.9 Acronyms and Terminology

Term	Definition
ATM	Air Traffic Management
ATMS	Air Traffic Management System
AWOS	Automatic Weather Observing System
ICAO	International Civil Aviation Organization
INTEROP	Interoperability Requirements
METAR	METEorological Aerodrome Report
OSED	Operational Service and Environment Definition
RMAN	Runway MANager
RVR	Runway Visibility Range
SESAR	Single European Sky ATM Research Programme
SESAR Programme	The programme which defines the Research and Development activities and Projects for the SJU.
SJU	SESAR Joint Undertaking (Agency of the European Commission)
SJU Work Programme	The programme which addresses all activities of the SESAR Joint Undertaking Agency.
SNOWTAM	A special series NOTAM notifying the presence or removal of hazardous conditions due to snow, ice, slush or standing water associated with snow, slush and ice on the movement area.
SWIM	System Wide Information Management
TAD	Technical Architecture Description
TAF	Terminal Aerodrome Forecast
TDZ	Touchdown Zone
TS	Technical Specification

2 General Functional block Description

2.1 Context

IWIS prototype is part of the Aerodrome Weather Information Management, a functional block of the Aerodrome ATC Domain System.

Today's ATM information systems are insufficiently integrated, resulting in organizational barriers which prevent timely use of relevant information. SESAR will improve this situation by introducing SWIM. SWIM is a new information infrastructure which will connect all ATM stakeholders, aircraft as well as all ground facilities. The aim of this new ATM Intranet is to allow seamless information interchange, and the capability of finding the most appropriate source of information.

At present, Aerodrome MET Services use many kind of sensors and systems to provide meteorological data and products to the airport and ATM stakeholders. From the SESAR point of view, since commercial aerodrome meteorological sensors and systems generally have not a SWIM interface, the capability to collect, process, and distribute meteorological information via SWIM is strongly required.

2.2 Functional block Modes and States

States correspond to the feasible operating conditions of the system. IWIS has only one state: the Operational state. It dispatches on SWIM warning/alarms, observed and forecasted data of relevant meteorological parameters, and the ICAO meteorological bulletins created by the MET Service personnel.

Modes are the ways on which the system can operate according to the availability of its functions. IWIS can be in one mode only: the Normal mode. All the IWIS functions are in use.

2.3 Major Functional block Capabilities

Main capabilities of IWIS prototype are:

- to receive observed data of meteorological parameters from an Automated Weather Observing System (AWOS),
- to receive forecasted data of meteorological parameters,
- to dispatch airport warnings/alerts,
- to compute current and forecasted data of computed meteorological parameters,
- to allow to create manually METAR, METREPORT, TREND, TAF, and SNOWTAM bulletins;
- to dispatch via SWIM current data, forecasted data, airport warnings/alerts, and bulletins making them available to the other functional blocks of the Aerodrome ATC Domain System.

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2.4 User Characteristics

IWIS is foreseen to be used by the personnel of the MET Service Provider.

Name	Responsibilities
MET Service Provider	<ul style="list-style-type: none"> • To provide aerodrome weather forecasts, • To provide ICAO bulletins, • To provide available aerodrome weather data (observations and forecasts), • To provide airport warnings/alerts.

2.5 Operational Scenarios

The operational scenarios where IWIS is involved are Medium/Short Term Planning Phases, and Execution Phase, in the context of the Airport Performance Management service. (The Medium Term planning phase addresses the airport plan evolution from about 6 months before the day of operation until one day before start of operations, while the short term planning phases addresses the airport plan evolution from one day before operation until and including the execution of operations. [14])

As defined in [7], The Monitor Airport Performance service maintains surveillance over airport operations, airport performance (by means of KPAs), airport environment (e.g. weather monitoring). This service provides observations, forecasts, alerts and warnings against predefined thresholds, to give to the airport stakeholders a common situational awareness of the airport operational processes. The Monitor Airport Performance service is performed in the Medium and Short Term Planning Phases, and in the Execution Phase.

The Monitor Airport Performance service includes, among others, the monitoring of specific fields such as Demand and Capacity Balancing (DCB) and Weather. The monitor weather data section of the service provides weather information – both observations and forecasts, including probabilistic MET forecasts as well as probabilistic impact parameters (probability, severity, duration) which can be used further on as input to decision-support tools (what-if) as well as to provide specific alerts/warnings.

2.6 Functional description

The functional block Aerodrome Weather Information Management is in charge of dispatching current and forecasted weather data, warnings/alerts, and meteorological bulletins.

Aerodrome Weather Information Management is able to send data via SWIM, this will allow various SWIM-subscriber systems (inside and outside the airport) to receive relevant weather data, to display them on their own HMI or even to use them for further processing. Sharing of meteorological information in the ATM domain will improve the MET situation awareness of the various ATM Operators and enhance the efficiency and safety of air traffic flow management.

The IWIS functional decomposition includes functionalities as:

- current and forecasted weather data acquisition;

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D11 - Phase 3 - Improved Weather Information System Requirements

- manual inputs acquisition (only bulletins);
- data dispatching via SWIM

2.7 Service View

N/A

3 Functional and non-Functional Requirements

The IWIS requirements are described in the following paragraphs, and linked to the of OFA 05.01.01 INTEROP [9] requirements. INTEROP requirements are covered in accordance with the IWIS main functionalities [par. 2.3].

3.1 Capabilities

3.1.1 Aerodrome ICAO bulletins Requirements

3.1.1.1 METAR information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0001
Requirement	IWIS shall allow to create METAR bulletins manually.
Title	METAR creation
Status	<In Progress>
Rationale	To distribute METAR information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0002	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0002
Requirement	IWIS shall distribute METAR bulletins via SWIM (SWIM service ICAOMETProductService).
Title	METAR distribution
Status	<In Progress>
Rationale	To distribute METAR information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0002	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A

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<ALLOCATED_TO>	<Project>	12.07.05	N/A
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3.1.1.2 MET REPORT information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0003
Requirement	IWIS shall allow to create MET REPORT bulletins manually.
Title	MET REPORT creation
Status	<In Progress>
Rationale	To distribute MET REPORT information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0003	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0004
Requirement	IWIS shall distribute MET REPORT bulletins via SWIM (SWIM service TBD).
Title	MET REPORT distribution
Status	<In Progress>
Rationale	To distribute MET REPORT information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0003	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.1.3 TAF information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0005
Requirement	IWIS shall allow to create TAF bulletins manually.

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Title	TAF creation
Status	<In Progress>
Rationale	To distribute TAF information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0006
Requirement	IWIS shall distribute TAF bulletins via SWIM (SWIM service ICAOMETProductService).
Title	TAF distribution
Status	<In Progress>
Rationale	To distribute TAF information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.1.4 TREND information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0007
Requirement	IWIS shall allow to create trend forecasts (TREND).
Title	TREND creation
Status	<In Progress>
Rationale	To distribute TREND information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0005	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0008
Requirement	IWIS shall distribute trend forecasts (TREND) via SWIM appended to METAR and MET REPORT bulletins.
Title	TREND distribution
Status	<In Progress>
Rationale	To distribute TREND information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0005	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.1.5 SNOWTAM information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0009
Requirement	IWIS shall allow to create SNOWTAM bulletins manually.
Title	SNOWTAM creation
Status	<In Progress>
Rationale	To distribute SNOWTAM information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0007	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A

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<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0010
Requirement	IWIS shall distribute SNOWTAM bulletins via SWIM (SWIM service SNOWTAMService).
Title	SNOWTAM distribution
Status	<In Progress>
Rationale	To distribute SNOWTAM information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0007	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

3.1.1.6 Adverse Weather condition information requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0011
Requirement	IWIS shall distribute Adverse Weather conditions information via SWIM (SWIM service TBD).
Title	Adverse Weather conditions information distribution
Status	<In Progress>
Rationale	To distribute Adverse Weather conditions information.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET1.0009	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

3.1.2 MET parameter requirements

3.1.2.1 Cloud base requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0012
Requirement	IWIS shall receive the actual value of the cloud base.
Title	Receiving of the actual value of the cloud base
Status	<In Progress>
Rationale	To distribute actual value of the cloud base.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0001	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0013
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the cloud base (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the cloud base
Status	<In Progress>
Rationale	To distribute actual value of the cloud base.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0001	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0014
Requirement	IWIS shall receive the predicted values of the cloud base.

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Title	Receiving of the predicted value of the cloud base
Status	<In Progress>
Rationale	To distribute predicted value of the cloud base.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0001	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0015
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last received predicted value of the cloud base (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the cloud base
Status	<In Progress>
Rationale	To distribute predicted value of the cloud base.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0001	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.2 Vertical Visibility requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0016
Requirement	IWIS shall receive the actual value of the vertical visibility.
Title	Receiving of the actual value of the vertical visibility
Status	<In Progress>

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Rationale	To distribute actual value of the vertical visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0003	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0017
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the vertical visibility (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the vertical visibility
Status	<In Progress>
Rationale	To distribute actual value of the vertical visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0003	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0018
Requirement	IWIS shall receive the predicted values of the vertical visibility.
Title	Receiving of the predicted value of the vertical visibility
Status	<In Progress>
Rationale	To distribute predicted value of the vertical visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0004	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0019
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last received predicted value of the vertical visibility (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the vertical visibility
Status	<In Progress>
Rationale	To distribute predicted value of the vertical visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0004	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

3.1.2.3 Wind direction requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0020
Requirement	IWIS shall receive actual value of the surface wind direction.
Title	Receiving of actual value of the surface wind direction
Status	<In Progress>
Rationale	To distribute actual value of the surface wind direction.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>

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<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0021
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the surface wind direction (SWIM service AirportMETObservationService).
Title	Distribution of actual value of the surface wind direction
Status	<In Progress>
Rationale	To distribute actual value of the surface wind direction.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0022
Requirement	IWIS shall receive predicted value of surface wind direction.
Title	Receiving of predicted surface wind direction
Status	<In Progress>
Rationale	To distribute predicted value of the surface wind direction.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

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[REQ]

Identifier	REQ-12.07.05-TS-0001.0023
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last received predicted value of the surface wind direction (SWIM service AirportMETForecastService).
Title	Distribution of predicted value of the surface wind direction
Status	<In Progress>
Rationale	To distribute predicted value of the surface wind direction.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0004	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

3.1.2.4 Wind speed requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0024
Requirement	IWIS shall receive actual values of the surface wind speed.
Title	Receiving of actual value of the surface wind speed
Status	<In Progress>
Rationale	To distribute actual value of the surface wind speed.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0011	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

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Identifier	REQ-12.07.05-TS-0001.0025
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the surface wind speed (SWIM service AirportMETObservationService).
Title	Distribution of actual value of the surface wind speed
Status	<In Progress>
Rationale	To distribute actual value of the surface wind speed.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0011	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0026
Requirement	IWIS shall receive predicted values of surface wind speed.
Title	Receiving of predicted value of the surface wind speed
Status	<In Progress>
Rationale	To distribute predicted value of the surface wind speed.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0013	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0027
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last received predicted value of the surface wind speed (SWIM service AirportMETForecastService).

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D11 - Phase 3 - Improved Weather Information System Requirements

Title	Distribution of predicted value of the surface wind speed
Status	<In Progress>
Rationale	To distribute predicted value of surface wind speed.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0013	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.5 Requirements of the head component of the surface wind speed

[REQ]

Identifier	REQ-12.07.05-TS-0001.0028
Requirement	IWIS shall compute actual value of the head component of the surface wind speed for each runway direction.
Title	Computation of actual value of the head component of the surface wind speed
Status	<In Progress>
Rationale	To distribute actual value of the head component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0019	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0029
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the head component of the surface wind speed for each runway direction (SWIM service AirportMETObservationService).
Title	Distribution of actual value of the head component of the surface

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D11 - Phase 3 - Improved Weather Information System Requirements

	wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute actual value of the head component of the surface wind speed for each runway direction.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0019	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0030
Requirement	IWIS shall compute the predicted value of the head component of the surface wind speed for each runway direction.
Title	Computation of predicted value of the head component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute the predicted value of the head component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0031
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last predicted value of the head component of the surface wind

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D11 - Phase 3 - Improved Weather Information System Requirements

	speed for each runway direction (SWIM service AirportMETForecastService).
Title	Distribution of predicted value of the head component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute predicted value of the head component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.6 Requirements of the cross component of the surface wind speed

[REQ]

Identifier	REQ-12.07.05-TS-0001.0032
Requirement	IWIS shall compute actual value of the cross component of the surface wind speed for each runway direction.
Title	Computation of actual value of the cross component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute actual value of the cross component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0016	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0033
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency,

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D11 - Phase 3 - Improved Weather Information System Requirements

	the actual value of the cross component of the surface wind speed for each runway direction (SWIM service AirportMETObservationService).
Title	Distribution of actual value of the cross component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute actual value of the cross component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0016	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0034
Requirement	IWIS shall compute the predicted value of the cross component of the surface wind speed for each runway direction.
Title	Computation of predicted value of the cross component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute predicted value of the cross component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0017	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

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D11 - Phase 3 - Improved Weather Information System Requirements

Identifier	REQ-12.07.05-TS-0001.0035
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last predicted value of the cross component of the surface wind speed for each runway direction (SWIM service AirportMETForecastService).
Title	Distribution of predicted value of the cross component of the surface wind speed for each runway direction
Status	<In Progress>
Rationale	To distribute predicted value of the cross component of the surface wind speed for each runway direction
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.05-OSED-MET2.0017	<Partial>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.7 QFE requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0036
Requirement	IWIS shall receive the actual value of the surface atmospheric pressure.
Title	Receiving of actual value of QFE
Status	<In Progress>
Rationale	To distribute actual barometric pressure adjusted to airfield level (airfield level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0015	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

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Identifier	REQ-12.07.05-TS-0001.0037
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the surface atmospheric pressure (SWIM service AirportMETObservationService).
Title	Distribution of actual value of QFE
Status	<In Progress>
Rationale	To distribute actual barometric pressure adjusted to airfield level (airfield level = 0)
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0015	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0038
Requirement	IWIS shall receive the predicted values of the surface atmospheric pressure.
Title	Receiving of predicted value of QFE
Status	<In Progress>
Rationale	To distribute predicted barometric pressure adjusted to airfield level (airfield level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0015	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0039
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Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last value of the predicted surface atmospheric pressure (SWIM service AirportMETForecastService).
Title	Distribution of the predicted QFE
Status	<In Progress>
Rationale	To distribute predicted barometric pressure adjusted to airfield level (airfield level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0015	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.8 QNH requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0040
Requirement	IWIS shall receive the actual value of QNH.
Title	Receiving of actual value of QNH
Status	<In Progress>
Rationale	To distribute the actual barometric pressure QNH adjusted to sea level (sea level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0016	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0041
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of QNH (SWIM service AirportMETObservationService).

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Title	Distribution of the actual QNH
Status	<In Progress>
Rationale	To distribute the actual barometric pressure QNH adjusted to sea level (sea level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0016	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0042
Requirement	IWIS shall receive the predicted values of QNH.
Title	Receiving of predicted value of QNH
Status	<In Progress>
Rationale	To distribute the predicted barometric pressure QNH adjusted to sea level (sea level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0016	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0043
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last predicted value of the QNH (SWIM service AirportMETForecastService).
Title	Distribution of predicted value of QNH
Status	<In Progress>

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Rationale	To distribute the predicted barometric pressure QNH adjusted to sea level (sea level = 0).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0016	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.9 Visibility requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0044
Requirement	IWIS shall receive the actual value of visibility.
Title	Receiving of the actual value of the visibility
Status	<In Progress>
Rationale	To distribute the actual value of the visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0017	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0045
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the visibility (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the visibility
Status	<In Progress>
Rationale	To distribute the actual value of the visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

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D11 - Phase 3 - Improved Weather Information System Requirements

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0017	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0046
Requirement	IWIS shall receive the predicted values of the visibility.
Title	Receiving of the predicted value of the visibility
Status	<In Progress>
Rationale	To distribute the predicted value of the visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0017	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0047
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last predicted value of the visibility (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the visibility
Status	<In Progress>
Rationale	To distribute the predicted value of the visibility.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0017	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>

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D11 - Phase 3 - Improved Weather Information System Requirements

<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.10 RVR requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0048
Requirement	IWIS shall receive the actual value of the RVR for each runway direction.
Title	Receiving of the actual value of the RVR
Status	<In Progress>
Rationale	To distribute the actual value of the RVR for each runway (segment).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0018	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0049
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the RVR for each runway direction (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the RVR
Status	<In Progress>
Rationale	To distribute the actual value of the RVR for each runway (segment).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0018	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

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[REQ]

Identifier	REQ-12.07.05-TS-0001.0050
Requirement	IWIS shall receive the predicted values of the RVR for each runway direction.
Title	Receiving of the predicted value of the RVR provision
Status	<In Progress>
Rationale	To distribute the predicted value of the RVR for each runway (segment).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0018	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0051
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last predicted value of the RVR for each runway direction (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the RVR
Status	<In Progress>
Rationale	To distribute the predicted value of the RVR for each runway (segment).
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0018	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

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3.1.2.11 Air Temperature requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0052
Requirement	IWIS shall receive the actual values of the air temperature.
Title	Receiving of the actual value of the air temperature
Status	<In Progress>
Rationale	To distribute the actual value of the air temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0019	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0053
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual values of the air temperature (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the air temperature
Status	<In Progress>
Rationale	To distribute actual value of the air temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0019	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0054
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D11 - Phase 3 - Improved Weather Information System Requirements

Requirement	IWIS shall receive the predicted values of the air temperature.
Title	Receiving of the predicted value of the air temperature
Status	<In Progress>
Rationale	To distribute of the predicted value of the air temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0019	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0055
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the last received value of the predicted air temperature (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the air temperature
Status	<In Progress>
Rationale	To distribute of the predicted value of the air temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0019	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

3.1.2.12 Dew Point Temperature requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0056
Requirement	IWIS shall receive the actual value of the dew point temperature.
Title	Receiving of the actual value of the dew point temperature

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Status	<In Progress>
Rationale	To distribute the actual value of the dew point temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0057
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the dew point temperature (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the dew point temperature
Status	<In Progress>
Rationale	To distribute the actual value of the dew point temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0058
Requirement	IWIS shall receive the predicted values of the dew point temperature.
Title	Receiving of the predicted value of the dew point temperature
Status	<In Progress>
Rationale	To distribute the predicted value of the dew point temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

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D11 - Phase 3 - Improved Weather Information System Requirements

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0059
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the predicted values of the dew point temperature (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the dew point temperature
Status	<In Progress>
Rationale	To distribute the predicted value of the dew point temperature.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0020	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.13 Surface Temperature

[REQ]

Identifier	REQ-12.07.05-TS-0001.0060
Requirement	IWIS shall receive the actual values of the surface temperature on all runways at the TDZ.
Title	Receiving of the actual value of the surface temperature at the TDZ
Status	<In Progress>
Rationale	To distribute the actual value of the surface temperature on all TDZ.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
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<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0021	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0061
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the surface temperature on all runways at the TDZ (SWIM service airportMETObservationService).
Title	Distribution of the actual value of the surface temperature at the TDZ
Status	<In Progress>
Rationale	To distribute the actual value of the surface temperature on all TDZ.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0021	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0062
Requirement	IWIS shall receive the predicted values of the surface temperature on all runways at the TDZ.
Title	Receiving of the predicted value of the surface temperature at the TDZ
Status	<In Progress>
Rationale	To distribute the predicted value of the surface temperature on all TDZ.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0021	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A

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D11 - Phase 3 - Improved Weather Information System Requirements

<ALLOCATED_TO>	<Project>	12.07.05	N/A
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Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0063
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the predicted values of the surface temperature on all runways at the TDZ (SWIM service AirportMETForecastService).
Title	Receiving of the predicted value of the surface temperature at the TDZ
Status	<In Progress>
Rationale	To distribute of the predicted value of the surface temperature on all TDZ.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0021	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.14 Relative Humidity

[REQ]

Identifier	REQ-12.07.05-TS-0001.0064
Requirement	IWIS shall receive the actual value of the relative humidity.
Title	Receiving of the actual value of the relative humidity
Status	<In Progress>
Rationale	To distribute the actual value of the relative humidity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0022	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A

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D11 - Phase 3 - Improved Weather Information System Requirements

<ALLOCATED_TO>	<Project>	12.07.05	N/A
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[REQ]

Identifier	REQ-12.07.05-TS-0001.0065
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the relative humidity (SWIM service AirportMETObservationService).
Title	Distribution of the actual value of the relative humidity
Status	<In Progress>
Rationale	To distribute the actual value of the relative humidity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0022	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0066
Requirement	IWIS shall receive the predicted value of the relative humidity.
Title	Receiving of the predicted value of the relative humidity
Status	<In Progress>
Rationale	To distribute the predicted value of the relative humidity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0022	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

D11 - Phase 3 - Improved Weather Information System Requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0067
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the predicted value of the relative humidity (SWIM service AirportMETForecastService).
Title	Distribution of the predicted relative humidity
Status	<In Progress>
Rationale	To distribute the predicted value of the relative humidity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0022	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.15 Precipitation Intensity

[REQ]

Identifier	REQ-12.07.05-TS-0001.0068
Requirement	IWIS shall receive the actual value of the precipitation intensity.
Title	Receiving of the actual value of the precipitation intensity
Status	<In Progress>
Rationale	To distribute the actual value of the precipitation intensity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0023	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0069
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual value of the precipitation intensity (SWIM service AirportMETObservationService).

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D11 - Phase 3 - Improved Weather Information System Requirements

Title	Distribution of the actual value of the precipitation intensity
Status	<In Progress>
Rationale	To distribute the actual value of the precipitation intensity
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0023	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0070
Requirement	IWIS shall receive the predicted value of the precipitation intensity.
Title	Receiving of the predicted value of the precipitation intensity
Status	<In Progress>
Rationale	To distribute the predicted value of the precipitation intensity.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0023	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0071
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the predicted value of the precipitation intensity (SWIM service AirportMETForecastService).
Title	Distribution of the predicted value of the precipitation intensity
Status	<In Progress>
Rationale	To distribute the predicted value of the precipitation intensity
Category	<Functional>

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D11 - Phase 3 - Improved Weather Information System Requirements

Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0023	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

3.1.2.16 Runway contaminant

[REQ]

Identifier	REQ-12.07.05-TS-0001.0072
Requirement	IWIS shall receive the type and mean depth of the runway contaminant from the SNOWTAM bulletin.
Title	Receiving of type and depth of the runway contaminant
Status	<In Progress>
Rationale	To distribute information regarding type and depth of runway contaminations.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0029	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0073
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the type and mean depth of runway contaminant (SWIM service AirportMETObservationService).
Title	Distribution of type and depth of the runway contaminant
Status	<In Progress>
Rationale	To distribute information regarding type and depth of runway contaminations.
Category	<Functional>
Validation Method	
Verification Method	<Test>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0029	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.1.2.17 Present Weather

[REQ]

Identifier	REQ-12.07.05-TS-0001.0074
Requirement	IWIS shall receive the actual present weather elements.
Title	Receiving of the actual present weather elements
Status	<In Progress>
Rationale	To distribute the actual present weather elements.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0030	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0075
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the actual present weather elements (SWIM service AirportMETObservationService).
Title	Distribution of the actual present weather elements
Status	<In Progress>
Rationale	To distribute the actual present weather elements
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0030	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>

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<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0076
Requirement	IWIS shall receive the predicted present weather elements.
Title	Receiving of the predicted present weather elements
Status	<In Progress>
Rationale	To distribute the predicted present weather elements.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0030	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

Note: Time resolution for predicted values of meteorological parameter is between 10 minutes and 1 hour, depending on input data availability.

[REQ]

Identifier	REQ-12.07.05-TS-0001.0077
Requirement	IWIS shall send via SWIM, with an off-line configurable frequency, the predicted present weather elements (SWIM service AirportMETForecastService).
Title	Predicted precipitation intensity provision
Status	<In Progress>
Rationale	To distribute the predicted present weather elements.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-MET2.0030	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

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3.1.3 HMI Requirements

[REQ]

Identifier	REQ-12.07.05-TS-0001.0078
Requirement	IWIS shall display the weather forecast data in a table composed of a row for each MET parameter received or computed and a column for each forecast time step.
Title	Forecast data display
Status	<In Progress>
Rationale	Display of weather forecast data Vs time
Category	<HMI>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0079
Requirement	If a MET forecast datum is missing, IWIS shall display a missing value string ('//') or configurable) in the table of the forecast data.
Title	Missing forecast data display
Status	<In Progress>
Rationale	Display of missing data
Category	< HMI>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0080
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Requirement	IWIS shall highlight current values of MET parameter which are above/below configurable thresholds.
Title	Display of MET parameters are above/below thresholds
Status	<In Progress>
Rationale	Highlight values of MET parameters.
Category	< HMI>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0001.0081
Requirement	IWIS shall highlight the predicted values of MET parameter which are above/below configurable thresholds.
Title	Display of predicted MET parameters above/below thresholds
Status	<In Progress>
Rationale	Highlight values of MET parameters.
Category	< HMI>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.2 Adaptability

[REQ]

Identifier	REQ-12.07.05-TS-0002.0001
Requirement	For each MET observation parameter, IWIS shall allow to configure at least two thresholds above/below which the HMI shall highlight the value.
Title	Alerts/warnings thresholds

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Status	<In Progress>
Rationale	Highlight values of MET parameters.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0002.0002
Requirement	For each MET predicted parameter, IWIS shall allow to configure at least two thresholds above/below which the HMI shall highlight the value.
Title	Alerts/warnings thresholds
Status	<In Progress>
Rationale	Highlight values of MET parameters.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED_TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES_TO>	<Operational Focus Area>	N/A	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0002.0003
Requirement	IWIS shall allow to off-line configure the period of time to disseminate MET forecast data over SWIM.
Title	Time resolution of the provided MET forecast data.
Status	<In Progress>
Rationale	To adapt the frequency of data dissemination.
Category	<Functional>
Validation Method	
Verification Method	<Test>

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[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	REQ-06.05.04-INTEROP-STPF.1011	<Full>
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	OFA 05.01.01	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0002.0004
Requirement	IWIS shall allow to configure the time delay after which the last received observed value of every meteorological parameter is sent via SWIM automatically.
Title	Time delay of the provided MET observed data.
Status	<In Progress>
Rationale	To give time to check the data.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A
<APPLIES TO>	<Operational Focus Area>	NA	N/A
<ALLOCATED TO>	<Project>	12.07.05	N/A

[REQ]

Identifier	REQ-12.07.05-TS-0002.0005
Requirement	IWIS shall allow to configure the time delay after which the last received predicted value of value of every meteorological parameter is sent via SWIM automatically.
Title	Time delay of the provided MET forecast data.
Status	<In Progress>
Rationale	To give time to check the data.
Category	<Functional>
Validation Method	
Verification Method	<Test>

[REQ Trace]

Relationship	Linked Element Type	Identifier	Compliance
<SATISFIES>	<ATMS Requirement>	N/A	N/A
<SATISFIES>	<Enabler>	METEO-01	<Full>
<SATISFIES>	<Enabler>	METEO-03	<Full>
<SATISFIES>	<Enabler>	METEO-04b	<Full>
<ALLOCATED TO>	<Functional block>	Aerodrome Weather Information Management	N/A

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<APPLIES TO>	<Operational Focus Area>	N/A	N/A
<ALLOCATED_TO>	<Project>	12.07.05	N/A

3.3 Performance Characteristics

N/A

3.4 Safety & Security

N/A

3.5 Maintainability

N/A

3.6 Reliability

N/A

3.7 Functional block Internal Data Requirements

N/A

3.8 Design and Construction Constraints

N/A

3.9 Functional block Interface Requirements

N/A

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4 Assumptions

N/A



5 References

5.1 Reference to main documentation

- [1] Template Toolbox 03.00.00
<https://extranet.sesarju.eu/Programme%20Library/SESAR%20Template%20oolbox.dot>
- [2] Requirements and V&V Guidelines 03.00.00
<https://extranet.sesarju.eu/Programme%20Library/Requirements%20and%20VV%20Guidelines.doc>
- [3] Templates and Toolbox User Manual 03.00.00
<https://extranet.sesarju.eu/Programme%20Library/Templates%20and%20Toolbox%20User%20Manual.doc>
- [4] EUROCONTROL ATM Lexicon
<https://extranet.eurocontrol.int/http://atmlexicon.eurocontrol.int/en/index.php/SESAR>
- [5] SESAR Definition Phase – Task 2.4.x Milestone 3 – System Architecture (DLT-0612-244-00-10), September 2007
- [6] 12.01.07.D22 – Step1-3rd Iteration – Airport Technical Architecture Description, Edition 00.03.00, December 2014
- [7] 06.05.04_D16 - OFA 05.01.01 Operational Service and Environment Definition Part 1, Edition 00.03.01 (OSED)
- [8] 06.05.04_D16 - OFA 05.01.01 Operational Service and Environment Definition Part 2, Edition 00.03.01 (OSED)
- [9] 06.05.04_D20 - OFA 05.01.01 Preliminary Interoperability Requirements document, Edition 00.02.03 (INTEROP)
- [10] Issue Resolution Report, Edition 1.0, April 18, 2013.
- [11] P B.04.03 – B.4.3 Service Allocation – SVA003, Edition 00.00.03
- [12] 12.07.05_D05 - Phase 2 Improved Weather Information System requirements Edition 00.02.02
- [13] 06.05.05_D03 - MET-Data interpretation scheme Edition 00.00.04
- [14] 06.02_D07 - Airport Detailed Operational Description (DOD) Step 1 Edition 01.00.01

5.2 Use of copyright / patent material /classified material

N/A

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