

SWIM Compliance Report METHazardEnrouteObservation

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Abstract

This report is evidence that the Validation Exercise EXE-13.02.03 VP-700 has services that have been assessed for SWIM Compliance. It provides the SWIM Compliance Level for each of the services assessed in the Validation Exercise.

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None.	

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Executive Summary

This report is evidence that the **Validation Exercise EXE-13.02.03 VP-700** has services that have been assessed for SWIM Compliance. It provides the SWIM Compliance Level for each of the services assessed in the Validation Exercise.

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1 Introduction

1.1 Purpose of the Document

This template report is part of the SWIM Compliance Framework, produced in the context of SWIM Compliance for Validation Exercises that want to demonstrate the SWIM Compliance level. The SWIM Compliance Criteria for R5 explain the criteria against we assess for SWIM Compliance. This template provides the evidence to satisfy the Compliance Criteria. The steps in completing the template report are the following:

- 1. The SWIM Compliance Applicant¹ person responsible for the Validation Exercise, with assistance from WP 8 and WP 14 experts, produces the SWIM Compliance Report i.e. using this template.
- 2. The report is then handed over to the SWIM Compliance Acceptance Team, who performs the assessment and completes this template report into the final SWIM Compliance Assessment Report, including a **SWIM Compliance Level**.

This report is meant to contain all evidences that show the SWIM compliance for the Service Technical Design Description (STDD) for a service.

1.2 Intended Readership

- WP8 / WP 14
- WP 3
- Persons participating in the R5 Validation Exercise (e.g. Owners of the Validation Exercise)
- System Projects
- SWIM Compliance Acceptance Team

1.3 Acronyms and Terminology

Term	Definition
Capability	The collective ability to deliver a specified type of effect or a specified course of action. Within the context of the SESAR Programme a capability is therefore the ability to support the delivery of a specific operational concept to an agreed level of performance. Source: Common working meeting between B41 EA study and B43 T5. In bold, the NATO Architecture Framework V3 definition
Governance	Ability of decision-makers to set policies regarding stakeholders, services, and their relationships
Information Exchange	A specification of the information that is to be exchanged. An Information Exchange must have a unique identifier. Source: NATO Architecture Framework V3 definition.
Information Exchange Requirement	An Information Exchange Requirement (IER) is the description, in terms of characteristics, of the requirement to transfer information between two or more end users. The characteristics described include source, recipients, content, size, timeliness, security and trigger. IERs are defined as independent of the communications medium. An IER may express both current and future requirements.

¹ For definition and example of SWIM Compliance Applicant, see SWIM Compliance Criteria document.

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Term	Definition
	Note: an information element is the descriptor of the content in the IER. Source: (British) Ministry of Defence, Information Exchange Requirements.
Infrastructure profile	A set of features characterising the enabling infrastructure, including the QoS and security that the infrastructure provides, technical constraints, user behaviour patterns and characteristics.
	Profiles relate to legacy and/or new infrastructures such as the SWIM technical infrastructure. Source: B43 T5 study
Means of compliance	Means to demonstrate that an 'Object under Assessment' conforms to a rule (such rule being as e.g., a specification, policy, standard or law)
Node	A logical entity that performs Operational Activities specified independently of any physical implementation, e.g. a stakeholder type providing and/or consuming operational information within a network of other stakeholders. Source: Common working meeting between B41 EA study and B43 T5. In bold, the NATO Architecture Framework V3 Definition.
Object under Assessment	Item (i.e., specifications, mechanisms, activities, individuals) upon which an assessment method is applied during an assessment. In this document, the Object under Assessment (OuA) is the Service Technical Design Description for a service.
Operational Focus Area	A limited set of dependent operational and technical improvements related to an Operational Sub-Package, comprising specific interrelated OIs designed to meet specific performance expectations of the ATM Performance Partnership. Source: ATM Lexicon
Policy	Principle or rule with a view to guiding decisions and achieving one or more rational outcomes
Registry	The SWIM registry is a trusted, managed, complete and consolidated source of reference for service information and related regulations (policies, standards, certifications and taxonomies). It holds all SWIM metadata regarding:
	- stakeholders,
	- service definitions (ISRM),
	- service instances,
	and the links between them.
	Source: Registry ConOps
Service	The contractual provision of something (a non-physical object), by one party, for the use of one or more other parties. Services involve interactions between providers and consumers, which may be performed in a digital form (data exchanges) or through voice communication or written processes and procedures. Source: ATM Lexicon
Service definition	The specification of a service as it appears in the Service Description Document and Service Interface Definition. The Service Description Document consists of a mix of textual information and graphics (expressed in a UML notation). The Service Interface Definition consists of machine- interpretable constructs specified according to the selected technical



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Term	Definition
	platform, including the necessary technology bindings, e.g. complete WSDL (and XSD), IDL, AMQP, DDS, etc. Source: B4.3 Working Method on Services.
Service interface	The mechanism by which a service communicates.
	Service providers and consumers need to implement service interfaces in order to be able to collaborate. A service interface includes service operations that enable access to the functionality of the services identified, as well as the data used in the service interaction. Source: B43 T5 study.
Service instance	Service which has been implemented in accordance with its specification in the service catalogue (during the SESAR Development Phase, the service definitions are available in the ISRM) by a service provider (by itself or contracted to a third party). Source: SWIM ConOps
Service level	A value specification for one or more service attributes indicating the level to which a technical system (or resource if including non-automated services) delivers a service in a particular environment. Example: A "Service Response time" may be defined in relation to a service. A given technical system could have a corresponding Service Level, e.g. "Less than 3 seconds". Source: B43 T5 study.
Service consumer	Stakeholder which consumes service(s) provided by other stakeholder(s)
Service lifecycle	The lifecycle defines the sequence of phases followed by a service.
Service Payload definition	The data/information exchange model represented in UML contained in the Service Description Document.
Service provider	Stakeholder which provides service(s) that can be consumed by other stakeholder(s)
SWIM	System-wide information management. SWIM consists of standards, infrastructure and governance enabling the management of ATM information and its exchange between qualified parties via interoperable services. Source: SWIM ConOps.
SWIM Common Component	A SWIM infrastructure element managed by the 'SWIM authority' and implementing a shared capability, e.g. registry, PKI, etc. Source: SWIM ConOps.
SWIM Compliance Acceptance Team	The group of experts who perform the SWIM Compliance Assessment and provide the final SWIM Compliance Level.
SWIM Infrastructure	The sum of all the SWIM infrastructure elements which are needed to support SWIM services. Source: B43 T5 study.
SWIM Profile	A SWIM profile is a coherent, appropriately sized grouping of middleware functions/services for a given set of technical constraints/requirements which permit a set of stakeholders to share information
Service Technical Design Description	A set of one or more published documents that express meta information about a service. The fundamental part of a service contract consists of the service description documents that express its technical interface. These form the Service Technical Design Description (STDD) which essentially

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Term	Definition			
	establishes an API into the functionality offered by the service.			
	The service interface definition in the STDD is mainly given as a machine- readable format usually provided in a standard definition language such as IDL, WSDL or others. The STDD also describes such aspects as the message exchange pattern between provider and consumer, plus the chosen SWIM profile and requirements (bindings) on the technical infrastructure.			
	A STDD can further reference human-readable documents, such a Service Level Agreement (SLA) that describes additional quality-of-service features, behaviours and limitations.			

1.4 Acronyms and Terminology

Term	Definition			
AIRM	ATM Information Reference Model.			
ADQ	Aeronautical Data Quality			
АТМ	Air Traffic Management			
CLDM	Consolidated Logical Data Model			
ConOps	Concept of operations			
DDS	Data Distribution Service			
DOD	Detailed Operational Description			
EA	Enterprise Architecture			
EAEA	European ATM Enterprise Architecture			
EASA	European Aviation Safety Agency			
EC	European Commission			
EU	European Union			
ESB	Enterprise Service Bus			
EUROCAE	European Organization for Civil Aviation Equipment			
IBP	Industry Based Prototype			
ICAO	International Civil Aviation Organisation			
ICD	Interface Control Document			
IER	Information Exchange Requirements			
INTEROP	Interoperability Requirements			

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Term	Definition			
IRS	Interface Requirements Specification			
ISO	International Organisation for Standardisation			
ISRM	Information Services Reference Model			
ІТ	Information Technology			
ITIL	IT Infrastructure Library (ITIL® provides a Best Practice guidance framework for IT Service Management)			
МЕТ	Meteorology			
NAF	NATO Architecture Framework			
OFA	Operational Focus Area			
01	Operational Improvement			
OPS	Operational			
OSED	Operational Service and Environment Definition			
OuA	Object under Assessment			
РКІ	Public Key Infrastructure			
QoS	Quality of Service			
RPC	Remote Procedure Call			
RTCA	Radio Technical Commission for Aeronautics			
SACG	SWIM Architect Co-ordination Group			
SCG	Service Coordination Group			
SCL	SWIM Compliance Level			
SDD	Service Description Document			
SES	Single European Sky			
SESAR	Single European Sky ATM Research Programme			
SESAR Programme	The programme which defines the research and development activities and projects for the SJU			
SID	Service Identification Document			
SIR	Service Identification Report			
SJU	SESAR Joint Undertaking (Agency of the European Commission)			

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Term	Definition			
SJU Work Programme	The programme which addresses all activities of the SESAR Joint Undertaking Agency.			
SLA	Service Level Agreement			
SOA	Service Oriented Approach			
SOAP	Simple Object Access Protocol			
SoaML	Service Oriented Architecture Modelling Language			
SVA	Service Activity			
SWIM	System Wide Information Management			
SWIM TI	SWIM Technical Infrastructure			
SYS	System Projects			
TAD	Technical Architecture Description			
TS	Technical Specification			
STDD	Service Technical Design Description			
UDDI	Universal Description, Discovery and Integration			
UML	Unified Modelling Language			
URN	Uniform Resource Name			
WP	Work Package			
WSDL	Web Services Description Language			
XSD	XML Schema Definition			

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2 SWIM Compliance Report Summary

This section summarises the main information about the compliance assessment.

STDD Name and Version	European ATM Description for the METHazardEnrouteObservation Service Version 01.00	
Services assessed for SWIM Compliance	METHazardEnrouteObservation	
Version of the AIRM	3.3.0	
Version of the ISRM	1.4	
Version of the TI	3.0	
Version of SWIM Compliance Framework applied	00.02.16	
Reason for the Assessment	Demonstrate the SWIM Compliance for services in Validation Exercises VP-700	
Responsible for service requirements		
SWIM Support		
Name of the SWIM Acceptance Team	AIRM: ISRM:	
	TI:	
SWIM Compliance Level per service and compliance domain	METHazardEnrouteObservation AIRM Compliant, ISRM Compliant ² , TI Binding Yellow Profile Compatible	

Notes:

- 1. Italics need to be verified and updated, text in Blue will be filled in by the SWIM Acceptance Team
- 2. The SWIM Acceptance Team, following the final assessment, could change the SWIM Compliance levels.

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² The Information Service assessment is dependent on the Change Request raised to ISRM CCB to include the Synchronous Request/Reply MEP to the Service

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3 Details of the Compliance Assessment

This section expands of the summary contained in section 2. It covers the main information about the compliance assessment in the three areas (Technical Infrastructure (TI), Information Exchange Services (ISRM), Information (AIRM)) and provides additional details where needed. This section has to be filled in by the SWIM Compliance Applicant, together with the SWIM Support team (WP 8 and WP 14 experts). The SWIM Acceptance Team will assess the information below and provide the final SWIM Compliance Level.

The detailed criteria are available in the SWIM Compliance Framework for R5 V&V exercises [21].

3.1 Description of the services

This section shall contain:

- The name (and version) of the services being assessed as per the STDD;
- A brief description of the service. Information form the Service Portfolio can be referenced or copied.

Service Name	Description
METHazardEnrouteObservation Version 01.00	The METHazardEnrouteObservation service addresses the delivery of information on observed significant weather phenomena for air traffic. Interested consumers can subscribe to the service and will then receive publication messages when their subscribed to information changes.
	The subscription mechanism implements a filter, consumers can detail the information they want to receive updates on. In particular, it is possible to filter by airspace and by weather condition. Consumers also have the same level of control for unsubscribing.
	It provides three operations:
	subscribeToObservation, unsubscribeFromObservation and publishObservation

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3.2 Contacts

The following list contains the contacts for the SWIM Services that are assessed for SWIM Compliance. The information is needed to be able to contact the right person in the case that more evidence or clarifications are required.

Service Name	Contacts
METHazardEnrouteObservation	Aeronautical Information Reference Model (AIRM) Contacts:
	Information Exchange Service (ISRM) Contacts:
	TI Contacts:

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3.3 Information Service Compliance

3.3.1 General Evidence

The purpose of checking the Information Exchange Service Compliance is to ensure that the OuA (i.e. the STDD describing the realisation of the service within the used technology context) meets the description of the logical service in the SDD.

You must fill in the table below to indicate the relevant Logical Service together with its version and origin. If the logical service is not part of the ISRM provide this fact in the right column.

Service Name	Logical Service Name	Logical Service Origin and Version Number
METHazardEnrouteObservation	METHazardEnrouteObservation	SDD Version 1.00
		https://extranet.sesarju.eu/WP 08/Project 08.03.10/Project%2 0Plan/ISRM%201.4/DEL 08.03 .10 D64 European ATM Serv ice Description for METHazar dEnrouteObservation Service. doc

3.3.2 Evidence for Information Service Compliance

For each of the services assessed, the evidence for the Information Exchange Service compliance as required by the SWIM Compliance Framework Criteria Document [21].

The relevant mappings can be given as tables in the sections below or referenced from external documents.

3.3.2.1 Operations mapping (IS-1)

Provide a mapping that shows which operation(s) in your STDD implements which operation given in the SDD in order to assess condition IS-1 in the Information Service Criteria Document. All SDD operations need to be mapped. In case of uncertainty or deviations, please provide textual justification.

Operation name per STDD	Operation name per SDD	
subscribeToObservation	subscribeToObservation	
unsubscribeFromObservation	unsubscribeFromObservation	
publishObservation	publishObservation	

Due to time restrictions, the client prototype that will be used in the VP700, will only request data from the MET-GATE using the interaction pattern R/R service and not the P/S (though the MET-GATE provides such functionality) as indicated in the SDD.

3.3.2.2 Payload mapping (IS-2)

Provide a mapping that shows which payload element in your STDD is semantically equivalent to which attribute given in the SDD in order to assess condition IS-2 in the Information Service Criteria Document. All SDD attributes need to be mapped. In case of uncertainty or deviations, please provide textual justification.

Due to the implementation of the Service using Request/Reply MEP the mapping should be understood as logical. The Publication and Subscription are mapped to the Reply and Request, respectively.

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SDD Entity	Physical Description Document Element	
METHazardEnrouteObservationPublication	GetFeature Reply	
METHazardEnrouteObservationSubscription	GetFeature	

3.3.2.3 MEP mapping (IS-3)

Provide Information on which technical Message Exchange Pattern will be used in your implementation in order to assess condition IS-3 in the Information Service Criteria Document. If you deviate from the mapping given in Appendix B of [21] please provide a textual justification.

	SDD			STDD
Service	Operation	MEP	Proposed SWIM-TI Profile	
	subscribeToObservation			
<u>METHazardEnroute</u> Observation	unsubscribeFromObserv ation	Publish/Subscr Yellow Profile ibe Push v3.00		SRR- MEP
	publishObservation			

The MEP used in the STDD doesn't match the one defined in the SDD. A Change Request to the ISRM CCB has been petitioned to include the Synchronous Request/Reply MEP in the definition of the METHazardEnrouteObservation Service. In accordance with the SWIM Compliance Framework, IS-3 condition is considered satisfied until a final decision is taken by ISRM CCB.

3.3.2.4 Service in ISRM (IS-4)

IS-4: "The referenced logical service is part of the ISRM."

The METHazardEnrouteObservation Service is part of ISRM 1.4.

3.3.2.5 NFR mapping (IS-5)

IS-5: "For all the interfaces involved in the mapping as per IS-1, all NFRs required by the SDD are mapped to either NFRs in the STDD or fulfilled by design decisions."

No specific requirements set. Yellow profile applied.

3.3.3 Assessment Result - Information Service Compliance Level

Please, fill in the table with the Information Service Compliance level achieved for each of the services based on the evidence collected above and on the conditions stated in the Compliance Framework Criteria Document section on "Information Service Compliance".

Service Name	Information Service Compliance Level- Claimed	Information Service Compliance Level-	Remarks (optional)
	To be filled in by the	approved	To be filled in by the SWIM

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	SWIM Compliance Applicant	To be filled in by the SWIM Acceptance Team	Acceptance Team
<u>METHazardEnrouteObservation</u>	Statement on the level of compliance claimed by the Compliance Applicant: Information Service Compliant	The evidence provided supports the Information Service Compliant level of Compliance.	Assessment of Compliance is based on the Change Request to ISRM to include the SRR MEP to the Service.

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3.4 Information Compliance

3.4.1 Evidence for Information Compliance – General Case

The purpose of checking the Information/AIRM compliance is to demonstrate that all elements in OuA (i.e. one service's physical message(s)) have a semantic correspondence with elements in the AIRM in accordance to AIRM Compliance Rulebook [23]. The templates and examples provided in example formats in the AIRM Compliance Handbook [23] could be used but are not mandatory.

The information provided in the Table 1 is mandatory to be provided for all targeted levels of compliance.

Service Name	METHazardEnrouteObservation
AIRM version	3.3.0
Reference to AIRM	A reference to the AIRM foundation and model artefacts constituting named AIRM version.
Reference to OuA (Physical Messages)	METHazardEnrouteFilter, Airspace, METHazardEnrouteObservationSubscriber, METHazardEnrouteForecastPublisher,WeatherCondition, WeatherPhenomenon, MovementDescription, VerticallyBoundedPhenomenon, Convection, Icing, Turbulence

Table	1.	General	informa	tion (one	e table	per	service)	
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For each of the services assessed, provide here the evidence for semantic correspondence of the physical messages to AIRM reaching one of the following three levels according to the AIRM Compliance Rulebook:

- If you aim at level "Information Ready" then provide evidence for Level 1 AIRM compliance. As a rule of thumb this implies providing a mapping between all <u>OuA information entities to corresponding AIRM</u> <u>elements;</u>
- If you aim at level "Information Compatible" then provide evidence for Level 2 AIRM compliance. As a rule of thumb this implies providing a mapping between all <u>OuA entities and property to corresponding AIRM elements;</u>
- If you aim at level "Information Compliant" then provide evidence for Level 3 AIRM compliance. As a rule of thumb this implies providing a mapping between each <u>OuA entity, property, datatype and business</u> rule constraint to corresponding AIRM element(s): entities, properties, datatypes and constraints.

According to the Handbook, the mapping could be given in one of the following formats:

- in UML as a set of <<SemanticTrace>> relationships mapping OuA::ModelElements to AIRM::ModelElements (as a Sparx EA or an XMI file embedded in the report, or linked via a reference to the Extranet), if the service message is represented in UML;
- as a table showing the correspondence between service physical message element names and AIRM element names, including the AIRM elements' URNs. This applies e.g. for messages expressed as XSD schemas.

Table 2. Evidence for semantic correspondence with AIRM (one table per service)

Evide	•	METHazardEnrouteForecastSubscriber : CLDM_out_of_scope (1) ³
nce for	•	METHazardEnrouteFilter : CLDM_out_of_scope (1)
AIRM		

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Comp	•	Airspace
liance		 Designator
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:AirspaceInfrastructure:Airspace:Airspace@designator
	•	METHazardEnrouteForecastPublisher : CLDM_out_of_scope (1)
	•	WeatherCondition :
		o confidence
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherCondition@confidence
	•	WeatherPhenomenon :
		 o Extent
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:WeatherP henomenon@extent
		o Intensity
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:WeatherP henomenon@intensity
	•	MovementDescription
		 directionTowards
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:Movement Description@ directionTowards
		 isStationary
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:Movement Description@ isStationary
		∘ speed
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:Movement Description@speed
	•	VerticallyBoundedPhenomenon
		• Base
		 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:VerticallyB oundedPhenomenon@base
		о Тор
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rounding m	anders	

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ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:GenericMeteorology:WeatherPhenomena:VerticallyB oundedPhenomenon@top
Convection
 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectFields:Meteor ology:GenericMeteorology:WeatherPhenomena:Convection
Icing
 o accretionRate
 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:AviationMeteorology:AviationWeatherPhenomena:Ici ng@accretionRate
Turbulence
o Edr
 CLDMSemanticTrace: urn:x- ses:sesarju:airm:v330:ConsolidatedLogicalDataModel:SubjectField s:Meteorology:AviationMeteorology:AviationWeatherPhenomena:Tu rbulence@edr

Additional evidences may be provided in an annex to the report.

3.4.2 Evidence for Information Compliance – reuse of existing approved compliance report

Not applicable

3.4.3 AIRM Change Requests

In case there is a gap in the AIRM impeding the Semantic Correspondence, one or more AIRM CRs shall be issued accordingly and the service message attributes shall be mapped to those CRs (see [9]). The table below shall be used to record the intention to fill in those gaps in a future release of AIRM.

Element in the Object Under Assessment	AIRM Change Request Number
N/A	N/A

3.4.4 Out of Scope Justifications

If the service message contains elements which are "out of scope" of the AIRM, according to the AIRM Compliance Rulebook [9], a justification shall be provided in the table below. Otherwise mark this section as "Not Applicable".

Element in the Object Under Assessment	Reason why it is out of scope
CLDM_out_of_scope (1): • METHazardEnrouteForecastSubscriber • METHazardEnrouteFilter	These data elements are pure container. They need not be traced semantically.

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METHazardEnrouteForecastPublisher

3.4.5 Assessment Result - Information Compliance Level

Please, fill in the table with the Information Compliance level achieved for each of the services based on the evidence collected above and on the conditions stated in the Compliance Framework Criteria Document section on "Information Compliance".

Service Name	Information Compliance Level - Claimed To be filled in by the SWIM Compliance Applicant	Information Compliance Level- Approved To be filled in by the SWIM Acceptance Team	Remarks (optional) To be filled in by the SWIM Acceptance Team
METHazardEnrouteObservation	Statement on the level of compliance claimed by the Compliance Applicant: Information Compliant	The evidence provided supports the Information Compliant level of Compliance	N/A.

Note: The AIRM is available: Error! Reference source not found..

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3.5 Compliance with SWIM-TI TS

3.5.1 Evidence for TI Compliance

The purpose of checking the SWIM TI compliance is to ensure that the services are instantiated on a given SWIM-TI Profile. This section shall contain the assessment level against the TI for of each of the services.

You (the Applicant) must fill in the table below per each service.

Field name	Reference to TI criteria condition	Evidence
Service Name	(N/A)	METHazardEnrouteObservation
SWIM Profile	(N/A)	Yellow
SWIM TI Profiles Version	TI-1	3.0
	TI-2	SRR-MEP, PSPULL-MEP
MEP ⁴	TI-5	The Interface Binding REQ-14.01.04-TS-0901.0302 has the MEP SRR- MEP which matches the MEP chosen in the STDD.
Technology	TI-3	Web service protocol stack HTTPS GET/POST/PUTDELETE/HEAD over TCP.
Interface Binding	TI-4	REQ-14.01.04-TS-0901.0302
Link to the service interface	TI-6	https://extranet.sesarju.eu/WP_11M/Project_11.02.02/Project%20Plan/ME T-GATE%20WebService%20Description%20-%201.1.pdf http://docs.opengeospatial.org/is/09-025r2/09-025r2.html
Requirement s coverage	TI-7	Not provided

Table 3. Evidence for TI Compliance (one table per service)

3.5.2 Assessment Result – TI Compliance Level

Please, fill in the table with the TI Compliance level achieved for each of the services based on the evidence collected above and on the conditions stated in the Compliance Framework Criteria Document section on "Technical Infrastructure Compliance".

Service Name TI Compliance Level	TI Compliance	Remarks (optional)
----------------------------------	---------------	--------------------

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	- Claimed To be filled in by the SWIM Compliance Applicant	Level- approved To be filled in by the SWIM Acceptance Team	To be filled in by the SWIM Acceptance Team
METHazardEnrouteObservation	Statement on the level of compliance claimed by the Compliance Applicant: TI Binding Yellow Profile Compatible	The evidence provided supports the TI Binding Yellow Profile Compatible level of Compliance.	Interface Bindings requirements coverage not provided, consider providing evidence to achieve TI Binding Yellow Profile Compliant level.

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3.6 Post-conditions for SWIM Compliance

3.6.1 Post-condition on payload compliance

Compliance criteria described in sections 3.3 and 3.4 require that the OuA payload has documented mappings to the SDD and to the AIRM respectively. In this section you must provide documentation, how these two mappings can be checked for coherence.

For this purpose describe here how the mappings of the payload in sections 3.3 and 3.4 can be compared. It is advisable to make use of identical techniques documenting the two mappings enabling to combine them in a common view. This allows you (the Applicant) to check the coherence upfront and the SWIM Acceptance to complete their work without further enquiries.

If the process for information service and information compliance (thread 1) has been followed as indicated in the the Appendix on the process of the criteria document, then simply declare that the post-condition should already be met.

If errors are spotted in the SDD-AIRM mappings, then raise a CR to the SDD via ISRM CCB and write here the CR codename issued.

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4 Feedback from SWIM Compliance Acceptance Team

4.1 Service assessment: conclusions and way forward

This section is filled in by the SWIM Acceptance Team. The Acceptance Team recaps here the overall feedback on the evidence material provided in the previous sections and make recommendations to the Applicant on the way forward for achieving the claimed level of SWIM Compliance.

In accordance with the SWIM Compliance Framework an exception to the application of IS-3 has been made upon the existence of a petition to ISRM CCB of a Change Request to include the implemented MEP on the service logical definition. The SWIM Compliance Report is recommended to be updated to include the concrete CR identifier once the CR is formally created.

The Service Physical Description Documents are provided only indirectly by means of an ICD. The SWIM Acceptance Team strongly recommends providing said documents explicitly, this is what is required by the SWIM Compliance Framework and simplifies significantly the evidence assessment process.

4.2 SWIM Compliance Criteria feedback

This section is filled in by any actor in the Compliance Process. This section includes the possible needs for improvements of the SWIM Compliance Framework Criteria.





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