SWIM Compliance Report for R5 EXE-13.02.02-VP-461

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Abstract

This report is evidence that the **Validation Exercise EXE-13.02.02-VP-461** 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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Rational for rejection
None.

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Executive Summary

This report is evidence that the **Validation Exercise EXE-13.02.02-VP-461** 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.

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 Applicant[1] 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. Note: an information element is the descriptor of the content in the IER.

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

Term	Definition
	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 platform, including the necessary technology bindings, e.g. complete

Term	Definition
	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 establishes an API into the functionality offered by the service. The service interface definition in the STDD is mainly given as a machine-

Term	Definition
	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 as 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.
AIXM5.1	Aeronautical Information Exchange Model 5.1
AIFS	Aeronautical Information Feature Service
ADQ	Aeronautical Data Quality
ATM	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
ePIB	electronic PIB
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

Term	Definition
INTEROP	Interoperability Requirements
IRS	Interface Requirements Specification
ISO	International Organisation for Standardisation
ISRM	Information Services Reference Model
IT	Information Technology
ITIL	IT Infrastructure Library (ITIL® provides a Best Practice guidance framework for IT Service Management)
MET	Meteorology
NAF	NATO Architecture Framework
NOTAM	Notice To Airmen
OFA	Operational Focus Area
OI	Operational Improvement
OPS	Operational
OSED	Operational Service and Environment Definition
OuA	Object under Assessment
PKI	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

Term	Definition
SIR	Service Identification Report
SJU	SESAR Joint Undertaking (Agency of the European Commission)
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

2 SWIM Compliance Report Summary

This section summarises the main information about the compliance assessment.

STDD Name and Version	AeronauticalInformationFeatureService_STDD, 01.00
Services assessed for SWIM Compliance	AeronauticalInformationFeature
Version of the AIRM	4.0.0
Version of the ISRM	1.4
Version of the TI	3.0
Version of SWIM Compliance Framework applied	2.11
Reason for the Assessment	Demonstrate the SWIM Compliance for services in Validation Exercises
Responsible for service requirements	
SWIM Support	
Name of the SWIM Acceptance Team	*AIRM: name* *ISRM: name* *TI: name* *Others*
SWIM Compliance Level per service and compliance domain	AeronauticalInformationFeature service – ISRM Compliant, AIRM Compliant, SWIM Yellow Profile 2.1 Compliant.

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.

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

Service Name	Description
AeronauticalInformationFeature	"This service provides aeronautical information features to the stakeholders. This service allows selecting the required aeronautical information by its feature type name and an advanced filter with spatial, temporal and logical operators. The service is compliant to the ISO 19142:2010 Geographic information - Web feature service."

3.2 Contacts

Service Name	Contacts
AeronauticalInformationFeature	[redacted]

Information Service Compliance

3.2.1 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.

Service Name	Logical Service Name	Logical Service Origin and Version Number
AeronauticalInformationFeature	AeronauticalInformationFeature	SDD version 02.00, Service Definition Version 1.0

3.2.2 Evidence for Information Service Compliance

The STDD [29] for this service contains evidence for IS-1, IS-2, IS-3 and IS-4.

IS-5 is not applicable.

The AeronauticalInformationFeature service implemented in EXE461 is a commercial OTS WFS 2.0.0 implementation by Snowflake Software Inc. The Frequentis deployment is using a complete AIXM5.1 mapping of all features provided by the "EAD AIXM 5.1 Web Feature Service" plus DigitalNOTAM features.

The commercial documentation for the OTS Snowflake GoPublisher is available here.

3.2.2.1 Operations mapping (IS-1)

The AeronauticalInformationFeature service operations are mapped as follows

SDD	STDD	EXE461 Service Implementation
getCapabilities	GetCapabilities	GetCapabilities
DescribeFeatureType	DescribeFeatureType	DescribeFeatureType
getFeatures	GetFeature	GetFeature
GetPropertyValue	GetPropertyValue	GetPropertyValue
DescribeStoredQueries	DescribeStoredQueries	DescribeStoredQueries
listStoredQueries	ListStoredQueries	ListStoredQueries

Service mapping resources:


GP-wfs-xml-interfaces.wsdl


GP-wfs-responses.wsdl


GP-wfs-http-bindings.wsdl


GPwfs-soap-bindings.wsdl

The response to GetCapabilities is attached here:

FrequentisEADWFSGetCapabilities.xml

3.2.2.2 Payload mapping (IS-2)

The **AeronauticalInformationFeature service** implemented in EXE461 is a commercial OTS AIXM5.1 compatible **WFS 2.0.0** implementation by Snowflake Software Ltd.

GetFeature Request URL:

https://NN.NN.NN.NN/sdd-wfs-war-1322/default/wfs?service=wfs&version=2.0.0&request=GetFeature&count=2&typename=aixm:AirportHeliport

GetFeature Response:

FrequentisEADWFSGetFeature.xml

3.2.2.3 MEP mapping (IS-3)

The **AeronauticalInformationFeature service** implemented in EXE461 is making use of the **SRR-MEP** as specified in the SWIM **Yellow Profile 2.1**, using the interface binding specified by requirement REQ-14.01.04-TS-0901.0301 as **HTTPS GET/POST over TCP**.

3.2.2.4 Service in ISRM (IS-4)

The **AeronauticalInformationFeature service** is part of ISRM 1.4.

3.2.2.5 NFR mapping (IS-5)

N/A, see section 3.2.1 in [24] SDD.

3.2.3 Assessment Result - Information Service Compliance Level

Service Name	**Information Service Compliance Level-Claimed** *To be filled in by the SWIM Compliance Applicant*	**Information Service Compliance Level-approved** *To be filled in by the SWIM Acceptance Team*	**Remarks (optional)** *To be filled in by the SWIM Acceptance Team*
AeronauticalInformationFeature	Compliant		

3.3 Information Compliance

3.3.1 Evidence for Information Compliance – General Case

Table 1. General information **AeronauticalInformationFeature**

Service Name	AeronauticalInformationFeature
AIRM version	4.0.0
Reference to AIRM	[26] SESAR 8.1.3 D45 AIRM 4.0.0
Reference to OuA (Physical Messages)	As described in the STDD the physical messages used by the implemented service are based on existing standards covered by AIRM: WFS 2.0.0 [27] AIXM 5.1 [28] AIXM 5.1 constituted the initial AIRM load.

Table 2. Evidence for semantic correspondence with AIRM for AeronauticalInformationFeature

Evidence for AIRM Compliance	The **AeronauticalInformationFeature service** implemented in EXE461 is a commercial OTS AIXM5.1 compatible **WFS 2.0.0** implementation by Snowflake Software Ltd using **AIXM5.1** compatible proprietary mappings of the EAD feature data by Frequentis. Although the proprietary mappings cannot be provided here, samples of request/responses are provided in section 3.2.2.2 for convenience.

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

N/A

3.3.3 AIRM Change Requests

N/A.

3.3.4 Out of Scope Justifications

The METService covers for the lack of MET services from sources external to project SESAR 13.02.02 in order to support the purely MET related objectives of EXE461. The implementation of such service was NOT in the scope of project 13.02.02.

3.3.5 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*
AeronauticalInformationFeature	Compliant		

Note: The AIRM is available: [20].

3.4 Compliance with SWIM-TI TS

3.4.1 Evidence for TI Compliance

Table 3. Evidence for TI Compliance **AeronauticalInformationFeature**

Field name	Reference to TI criteria condition	Evidence
Service Name	(N/A)	AeronauticalInformationFeature
SWIM Profile	(N/A)	Yellow
SWIM TI Profiles Version	TI-1	3.0
MEP[2]	TI-2	Synchronous Request/Reply (SRR-MEP)
	TI-5	SRR-MEP is supported by HTTP GET/POST over TCP
Technology	TI-3	HTTPS / WFS Web Service
Interface Binding	TI-4	HTTPS GET/POST over TCP REQ-14.01.04-TS-0901.0302
Link to the service interface	TI-6	See section 3.2.2.1 for the service interface description resources
Requirements coverage	TI-7	13.02.02 D120 Final TS The service is hosted on a TI provided by SESAR 14.2.9 14.02.09-D78-V3.0 SWIM technical infrastructure packaging and documentation

3.4.2 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 - Claimed *To be filled in by the SWIM*	TI Compliance Level- approved *To be filled in by the*	Remarks (optional) *To be filled in by the*

[2] *As the catalogue of MEP and the catalogue of SWIM-TI Interface Bindings are on-going, we refer to the MEP and the Interface Bindings in the specific WP14 documents (SWIM-TI TAD and TS and the SWIM Profiles document).[10][11][12][13][14][15][16]*

	Compliance Applicant	*SWIM Acceptance Team*	*SWIM Acceptance Team*
AeronauticalInformationFeature	Compliant		

3.5 Post-conditions for SWIM Compliance

3.5.1 Post-condition on payload compliance

The included STDD for AeronauticalInformationFeature service documents in detail the mappings between the OuA and the SDD respectively AIRM.

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.

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.

5 References

[1] 08.01.01 D42 – SWIM ConOps
https://extranet.sesarju.eu/WP_08/Project_08.01.01/Project%20Plan/DEL08.01.01-D42-SWIM%20conops.doc

[2] European ATM Service Description Template
https://extranet.sesarju.eu/WP_08/Project_08.03.10/Other%20Documentation/95%20active%20foundation%20documents/European%20ATM%20Service%20Description%20Template%200_2_0.docm

[3] 08.03.10 SESAR European ATM Service Identification Document template
https://extranet.sesarju.eu/Programme%20Library/SESAR%20European%20ATM%20Service%20Identification%20Document.dot

[4] SESAR Safety and Performance Requirements template
https://extranet.sesarju.eu/Programme%20Library/SESAR%20Safety%20and%20Performance%20Requirements.dot

[5] SESAR Operational Service and Environment Definition template
https://extranet.sesarju.eu/Programme%20Library/SESAR%20Operational%20Service%20and%20Environment%20Definition.dot

[6] B.04.03-D81 SESAR Working Method on Services Edition 2013
https://extranet.sesarju.eu/intraprogman/Assessment%20Library/D81%20-%20SESAR%20Working%20Method%20on%20Services%20Edition%202013%20-%20released.doc

[7] 08.03.10 ISRM rulebook for rules to be followed by any Service (00:01:05th edition)
https://extranet.sesarju.eu/intraprogman/Assessment%20Library/ISRM_Foundation_Rulebook.docx

[8] 08.01.03 AIRM Compliance Framework, (1.01th edition),
https://extranet.sesarju.eu/WP_08/Project_08.01.03/Project%20Plan/AIRM_Compliance_Framework.doc

[9] 08.01.03 AIRM Compliance Rulebook for R5,
https://extranet.sesarju.eu/WP_08/Project_08.01.03/Project%20Plan/8.1.3.D07_AIRM_Foundation_Rulebook.doc

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[11] 14.01.04-D42-005 SWIM-TI Blue Profile Technical Specification 3.0, Ed 00.01.00
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[12] 14.01.04.D42-004 SWIM-TI Yellow Profile Technical Specification 3.0, Ed 00.01.00
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[13] 14.01.04.D42-006 SWIM-TI Purple Profile Technical Specification 3.0, Ed 00.01.00
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[14] 14.01.03-D34 SWIM Profiles for Step 2 - Iteration 2.1, Ed 00.01.00, December 2013
https://extranet.sesarju.eu/WP_14/Project_14.01.03/Project%20Plan/P14.1.3-D34%20SWIM%20Profiles%20for%20Step%202%20%E2%80%93%20Iteration%202.1.doc

[15] 14.01.04.D41-005 SWIM-TI Yellow Profile Technical Specification 2.1, Ed 00.02.002
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[16]14.01.04.D41-006 SWIM-TI Blue Profile Technical Specification 2.1, Ed 00.02.002 https://extranet.sesarju.eu/intraprogman/Assessment%20Library/14.01.04.D41-006-SWIM-TI%20Blue%20Profile%20Technical%20Specification%202.1_00.02.00.doc

[17]14.01.04.D41-007 SWIM-TI Purple Profile Technical Specification 2.1, Ed 00.02.002 https://extranet.sesarju.eu/intraprogman/Assessment%20Library/14.01.04.D41-007-SWIM-TI%20Purple%20Profile%20Technical%20Specification%202.1_00.02.00.doc

[18]08.01.03 AIRM Primer , Edition 00.06.00 https://extranet.sesarju.eu/WP_08/Project_08.01.03/Project%20Plan/8.1.3.D13_AIRM_Primer.doc

[19] 08.01.03 AIRM Governance Handbook , v. 00.01.02, https://extranet.sesarju.eu/WP_08/Project_08.01.03/Project%20Plan/AIRM_Governance_Handbook.doc

[20]08.01.03 AIRM https://extranet.sesarju.eu/intraprogman/Assessment%20Library/8.1.3.D14_Intermediate_Release_for_v3.doc

[21]SWIM Compliance Framework Criteria for R5 V&V exercises https://extranet.sesarju.eu/WP_08/Project_08.01.01/Project%20Plan/08%2001%2001-D45-SWIM%20Compliance%20Framework%20Criteria%20for%20R4%20V-V%20exercises.doc

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[23]AIRM R5 Compliance Folder https://extranet.sesarju.eu/WP_08/Project_08.01.03/Other%20Documentation/Forms/AllItems.aspx?RootFolder=%2fWP%5f08%2fProject%5f08%2e01%2e03%2fOther%20Documentation%2fWorking%5fArea%2fService%5fand%5fSystem%5fSupport%5fTeam%2fR5%20Compliance&FolderCTID=0x012000BB83ED945FF2094D840C0B2691025A14&View=%7b3278B414%2d5D4C%2d49E1%2dAAEA%2d55FB32B7894B%7d

[24] AIFS SDD - European ATM Service Description Document for the AeronauticalInformationFeature Service https://extranet.sesarju.eu/WP_08/Project_08.03.10/Project%20Plan/ISRM%201.4/DEL_08.03.10_D64_European_ATM_Service_Description_for_AeronauticalInformationFeature_Service.docx

[25] GoPublisher WFS documentation https://wiki.snowflakesoftware.com/display/GPWFSDOC/GO+Publisher+WFS+4.0

[26] AIRM 4.0.0 https://extranet.sesarju.eu/WP_08/Project_08.01.03/Project%20Plan/8.1.3.D45_AIRM%20v4.0.0.doc

[27] WFS 2.0.0 http://schemas.opengis.net/wfs/2.0/wfs.xsd

[28] AIXM 5.1 http://www.aixm.aero/gallery/content/public/schema/5.1/

[29] STDD AeronauticalInformationFeatureService https://extranet.sesarju.eu/releasehome/ENB02.01.02/Working%20Library/OFA%20Releases/Release%205%20SE%20Review%203/SESAR%20Sol%2034%20-%20Digital%20Integrated%20Briefing/EXE-13.02.02-VP-461/SESAR_AeronauticalInformationFeatureService_STDD.xlsm

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