



LATVIAN AIP DATA SET

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GENERAL PROVISION FOR DIGITAL DATA

The PANS-AIM contains specifications concerning the provision of aeronautical information products in a standardized presentation (in printed or electronic form), which includes AIP, AIP amendments and supplements, aeronautical information circulars (AIC), aeronautical charts and NOTAMs.

General provisions for digital data are also explained and specific details are provided on the various data sets:

- AIP data set;
- Terrain data set;
- Obstacle data set;
- Aerodrome mapping data set;
- and Instrument Flight Procedure data set.

Finally, the PANS-AIM outlines the aeronautical information regulation and control (AIRAC) requirements and details on how to update aeronautical information products and services including Digital data sets.

AIP DATA SET – EUROCONTROL INTRODUCTION

The screenshot shows a web browser window with the URL https://ext.eurocontrol.int/aixm_confluence/display/ACGAIP/Introduction. The page title is "Introduction - (ICAO) AIP D...". The left sidebar contains a navigation menu with the following items:

- Pages
- SPACE SHORTCUTS
 - <http://www.aixm.aero>
 - [AIXM Coding - Overview](#)
- PAGE TREE
 - Introduction
 - Copyright notice
 - Mapping PANS-AIM AIP Data Set to AIXM 5.1(.1)
 - Coding Guidelines
 - Interoperability rules
 - File lists
 - Consolidated List of Coding Examples
 - References

The main content area is titled "Introduction" and includes the following sections:

Context

At the global level, the AIS-AIMSG of the International Civil Aviation Organisation (ICAO) has finalised the development of a completely revised Annex 15 to the ICAO Convention ^[1]. Complemented by a new PANS-AIM document ^[2], this will enable the global transition towards the provision of digital data sets, which will gradually replace the provision of paper documents.

One of the key elements of the new PANS-AIM document is the definition of an "AIP Data Set", which comprises a minimal list of features (such as Nav aids, Points, Airports, Airspace, Routes, etc.) and their properties that all states worldwide should be able to provide to effectively make the transition towards digital AIS data.

The AIXM 5 Coding Guidelines are documenting the minimal coding rules for the provision of the AIP Data Set in AIXM 5.1(.1) format ^[3], to ensure that such data sets can be effectively used by the downstream AIS data chain actors, particularly by Data Provider (DAT) organisations.

Scope

The AIXM 5 Coding Guidelines comprises the following elements:

- Mapping of the ICAO PANS-AIM AIP Data Set to AIXM 5.1(.1)
- AIXM 5.1(.1) coding rules for the AIP Data Set
- Interoperability rules for the AIP Data Set (including conformance testing)
- AIXM 5.1(.1) verification rules for the AIP Data Set
- Reference implementation - sample AIXM 5.1(.1) AIP Data Set (DONLON)

5.3.2.3 The AIP data set shall contain the digital representation of aeronautical information of lasting character (permanent information and long duration temporary changes) essential to air navigation.

AIP DATA SET END USERS

AIP Data Set comprises a minimal list of features (such as Navaids, Points, Airports, Airspace, Routes, etc.) and their properties that all states worldwide should be able to provide to effectively make the transition towards digital AIS data.

The AIXM 5 Coding Guidelines are documenting the minimal coding rules for the provision of the AIP Data Set in AIXM 5.1(.1) format, to ensure that such data sets can be effectively used by the downstream AIS data chain actors, **particularly by Data Provider (DAT) organizations.**

This will enable the global transition towards the provision of digital data sets, which will gradually replace the provision of paper documents.

Mapping PANS-AIM AIP Data Set to AIXM 5

The screenshot shows a web browser window displaying a Confluence page. The address bar shows the URL: https://ext.eurocontrol.int/aixm_confluence/display/ACGAIP/Mapping+PANS-AIM+. The page title is "Mapping PANS-AIM AIP Data Set to AIXM 5". The page was created by Wolfgang SCHEUCHER (Solitec) and last modified on 19 Jul 2017. The page content includes a "Scope" section that describes the mapping of AIP data set subjects to AIXM 5 features. The left sidebar contains a navigation menu with sections for "Pages", "SPACE SHORTCUTS", "PAGE TREE", and a list of pages including "Introduction", "Copyright notice", and "Mapping PANS-AIM AIP Data Set to AIXM 5".

Pages / Overview

Mapping PANS-AIM AIP Data Set to AIXM 5

Created by Wolfgang SCHEUCHER (Solitec), last modified on 19 Jul 2017

Scope

These pages contain the mapping of the AIP data set subjects as defined in PANS-AIM ^[1] to the corresponding AIXM 5 features and attributes. The mapping is limited to certain data items of PANS-AIM. For this purpose, three categories of data items have been defined:

1. Minimum Data Items:

According to PANS - AIM chapter 5.3.3.1, the AIP data set shall include data about the following subjects, with the properties indicated in b

- a) [ATS airspace](#) (type, name, lateral limits, vertical limits, class of airspace);
- b) [Special activity airspace](#) (type, name, lateral limits, vertical limits, restriction, activation);
- c) [Route](#) (identifier prefix, flight rules, designator);
- d) [Route segment](#) (navigation specification, startpoint, endpoint, track, distance, upper limit, lower limit, MEA, MOCA, direction of
- e) [Waypoint - en-route](#) (reporting requirement, identification, location, formation);
- f) [Aerodrome/Heliport](#) (location indicator, name, designator IATA, served city, certified ICAO, certification date, certification expiration reference point);
- g) [Runway](#) (designator, nominal length, nominal width, surface type, strength);
- h) [Runway Direction](#) (designator, true bearing, threshold, TORA, TODA, ASDA, LDA, rejected TODA);
- i) [FATO](#) (designation, length, width, threshold point);
- j) [TLOF](#) (designator, centre point, length, width, surface type);
- k) [Radio navigation aid](#) (type, identification, name, aerodrome served, hours of operation, magnetic variation, frequency/channel,

Created by Wolfgang SCHEUCHER (Solitec), last modified on 19 Jul 2017

AIP DATA SET - MINIMUM DATA ITEMS

AIP data set shall include the following subjects with appropriate properties (if applicable):

- a) [ATS airspace](#) (type, name, lateral limits, vertical limits, class of airspace);
- b) [Special activity airspace](#) (type, name, lateral limits, vertical limits, restriction, activation);
- c) [Route](#) (identifier prefix, flight rules, designator);
- d) [Route segment](#) (navigation specification, startpoint, endpoint, track, distance, upper limit, lower limit, MEA, MOCA, direction of cruising level, reverse direction of cruising level, required navigation performance);
- e) [Waypoint - en-route](#) (reporting requirement, identification, location, formation);
- f) [Aerodrome/Heliport](#) (location indicator, name, designator IATA, served city, certified ICAO, certification date, certification expiration date, control type, field elevation, reference temperature, magnetic variation, airport reference point);
- g) [Runway](#) (designator, nominal length, nominal width, surface type, strength);
- h) [Runway Direction](#) (designator, true bearing, threshold, TORA, TODA, ASDA, LDA, rejected TODA);
- i) [FATO](#) (designation, length, width, threshold point);
- j) [TLOF](#) (designator, centre point, length, width, surface type);
- k) [Radio navigation aid](#) (type, identification, name, aerodrome served, hours of operation, magnetic variation, frequency/channel, position, elevation, magnetic/true bearing direction).

COMPLETE AIP DATA SET

https://ext.eurocontrol.int/aixm_confluence/display/ACGAIP/Baseline+data+and+updates

- ✓ **Rule**
- For each applicable effective date, a **complete AIP Data Set** shall be provided comprising for all features that are actually provided in the scope of the AIP data set:
1. The TimeSlices with interpretation **BASELINE** that are active or that become active on that effective date.
 2. The TimeSlices with interpretation **TEMPDELTA** that have a validity period of three months or longer and that are active or that become active on that effective date.
- Note: the definition of an active TimeSlice is provided in the AIXM Temporality Concept document, version 1.1.*

LGS REPUBLIC OF LATVIA
Aeronautical Information Publication

See [cover page](#) for details.

PDF AIS of Latvia website Help EN LV
Feedback

AIP AMD SUPS AICS Search

Effective 19 JUL 2018

- + Part 1 GENERAL (GEN)
- Part 2 EN-ROUTE (ENR)
 - + ENR 0
 - + ENR 1 GENERAL RULES AND PROCEDURES
 - + ENR 2 AIR TRAFFIC SERVICES AIRSPACE
 - + ENR 3 ATS ROUTES
 - + ENR 4 RADIO NAVIGATION AIDS/SYSTEMS
 - + ENR 5 NAVIGATION WARNINGS
 - ENR 6 EN-ROUTE CHARTS
- Part 3 AERODROMES (AD)**
 - + AD 0
 - + AD 1 AERODROMES/HELIPORTS - INTRODUCTION
 - + AD 2 AERODROMES
 - + AD 3 HELIPORTS

Scope:

1. The TimeSlices with interpretation **BASELINE** that are active or that become active on that effective date.
2. The TimeSlices with interpretation **TEMPDELTA** that have a **validity period of three months or longer** and that are active or that become active on that effective date.

AIXM 5.1 driven AIP Data Set v. 1.4.0

File Tools Help

AIP Data Set Generator

AIP Data Set Type

Complete AIP Data Set

Effective Date

2018 - 08 - 16 00:00 AIRAC

ICAO Country Code

EV

Use Pending Data From [Active User Space](#)

☐

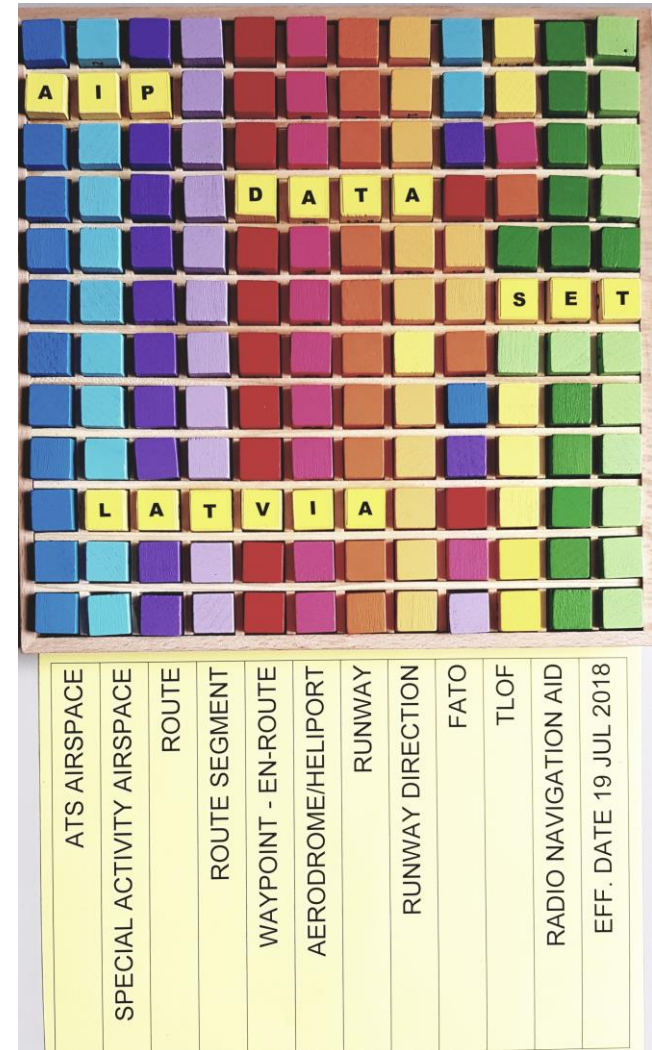
AIP DATA SET PROCESS

Main steps

- BaseLine activity
- AIP Data Set Generation
- AIP Data Set process logging
- AIP Data Set content analysis
- AIP Data Set Distribution

Additional possibilities

- AIP Data Set Subject Inventory
- Consistency check



DATA SET UPDATES

6.3.3.2 Permanent changes and temporary changes of long duration (three months or longer) made available as digital data shall be issued in the form of a complete data set or a sub-set that includes only the differences from the previously issued complete data set.

— AIP Data Set Generator —

AIP Data Set Type: Complete AIP Data Set

Effective Date: 2018-07-19 00:00 AIRAC

ICAO Country Code: EV

6.3.3.4 **Recommendation.**— *When temporary changes of short duration are made available as digital data (Digital NOTAM), they should use the same aeronautical information model as the complete data set.*

— AIP Data Set Generator —

AIP Data Set Type: NOTAM/SUP For Predefined Period

Period: 2018-09-13 00:00 Non-AIRAC UTC 2018-10-11 00:00 Non-AIRAC UTC

ICAO Country Code: EV

STARTING AIP DATA SET GENERATION

AIP Data Set Generator

AIP Data Set Type: Complete AIP Data Set

Effective Date: 2018-07-19 00:00 AIRAC

ICAO Country Code: EV

Use Pending Data From [Active User Space](#) ☐

Generate AIP Data Set Open Containing Folder Open AIP Data Set File Analyze AIP Data Set

Report



Report

AIXM 5.1 driven AIP Data Set v. 1.4.2 Report.
Publishing organisation: LGS
Current date (UTC): 2018-07-06 08:04:20

ICAO Country Code: EV
AIP Data Set Type: Complete AIP Data Set
Effective Date: 2018-07-19
AIRAC: Yes
File Name: EV_AIP_DS_FULL_20180719_AIRAC.xml

Starting AIP Data Set Generation...

STARTING AIP DATA SET GENERATION

1. Receiving Data

Receiving features from AXM.

> Airspace (Total: 70, BaseLine: 70, TempDelta: 0)

>> Route (Total: 53, BaseLine: 53, TempDelta: 0)
>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)
>> StandardLevelColumn (Total: 71, BaseLine: 71, TempDelta: 0)

>> Unit (Total: 14, BaseLine: 14, TempDelta: 0)

>> RadioC...>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)

>> Designa...>> StandardLevelColumn (Total: 71, BaseLine: 71, TempDelta: 0)

<< AirTraffi...>> RadioFrequencyArea (Total: 0, BaseLine: 0, TempDelta: 0)

<< Informa...>> DesignatedPoint (Total: 111, BaseLine: 111, TempDelta: 0)

<< SearchP...>> Navaid (Total: 9, BaseLine: 9, TempDelta: 0)

<< Significa...>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> AirTrafficControlService (Total: 18, BaseLine: 18, TempDelta: 0)

>> Unit (Total: 14, BaseLine: 14, TempDelta: 0)

>> RadioCommunicationChannel (Total: 23, BaseLine: 23, TempDelta: 0)

>> VOR (Total: 6, BaseLine: 6, TempDelta: 0)

>> DME (Total: 9, BaseLine: 9, TempDelta: 0)

>> Airspace (Total: 70, BaseLine: 70, TempDelta: 0)

<< RouteSegment (Total: 135, BaseLine: 135, TempDelta: 0)

> Navaid (Total: 9, BaseLine: 9, TempDelta: 0)

>> TouchDownLiftOff (Total: 3, BaseLine: 3, TempDelta: 0)

>> RunwayDirection (Total: 10, BaseLine: 10, TempDelta: 0)

>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> Azimuth (Total: 0, BaseLine: 0, TempDelta: 0)

>> DirectionFinder (Total: 0, BaseLine: 0, TempDelta: 0)

>> DME (Total: 9, BaseLine: 9, TempDelta: 0)

>> Elevation (Total: 0, BaseLine: 0, TempDelta: 0)

>> Glidepath (Total: 3, BaseLine: 3, TempDelta: 0)

>> Localizer (Total: 3, BaseLine: 3, TempDelta: 0)

>> MarkerBeacon (Total: 0, BaseLine: 0, TempDelta: 0)

>> NDB (Total: 0, BaseLine: 0, TempDelta: 0)

>> SDF (Total: 0, BaseLine: 0, TempDelta: 0)

>> TACAN (Total: 0, BaseLine: 0, TempDelta: 0)

>> VOR (Total: 6, BaseLine: 6, TempDelta: 0)

>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)

>> DesignatedPoint (Total: 111, BaseLine: 111, TempDelta: 0)

>> TouchDownLiftOff (Total: 3, BaseLine: 3, TempDelta: 0)

>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> RunwayCentrelinePoint (Total: 61, BaseLine: 61, TempDelta: 0)

>> Navaid (Total: 9, BaseLine: 9, TempDelta: 0)

>> Azimuth (Total: 0, BaseLine: 0, TempDelta: 0)

>> DirectionFinder (Total: 0, BaseLine: 0, TempDelta: 0)

>> DME (Total: 9, BaseLine: 9, TempDelta: 0)

>> Elevation (Total: 0, BaseLine: 0, TempDelta: 0)

>> Glidepath (Total: 3, BaseLine: 3, TempDelta: 0)

>> Localizer (Total: 3, BaseLine: 3, TempDelta: 0)

>> MarkerBeacon (Total: 0, BaseLine: 0, TempDelta: 0)

>> NDB (Total: 0, BaseLine: 0, TempDelta: 0)

>> SDF (Total: 0, BaseLine: 0, TempDelta: 0)

>> TACAN (Total: 0, BaseLine: 0, TempDelta: 0)

>> VOR (Total: 6, BaseLine: 6, TempDelta: 0)

>> Localizer (Total: 3, BaseLine: 3, TempDelta: 0)

>> Glidepath (Total: 3, BaseLine: 3, TempDelta: 0)

>> RunwayDirection (Total: 10, BaseLine: 10, TempDelta: 0)

>> Runway (Total: 10, BaseLine: 10, TempDelta: 0)

>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)

>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> AltimeterSource (Total: 0, BaseLine: 0, TempDelta: 0)

>> Runway (Total: 10, BaseLine: 10, TempDelta: 0)

>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> RunwayElement (Total: 3, BaseLine: 3, TempDelta: 0)

>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)

<< RunwayDirection (Total: 10, BaseLine: 10, TempDelta: 0)

<< RunwayCentrelinePoint (Total: 61, BaseLine: 61, TempDelta: 0)

<< RunwayElement (Total: 3, BaseLine: 3, TempDelta: 0)

>> TouchDownLiftOff (Total: 3, BaseLine: 3, TempDelta: 0)

>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)

>> Runway (Total: 10, BaseLine: 10, TempDelta: 0)

AIP DATA SET GENERATION COMPLETION

2. Analyzing Data

Analizing and validating Airspace references features and properties.
Analizing and validating Route references features and properties.
Analizing and validating DesignatedPoint references features and properties.
Analizing and validating AirportHeliport references features and properties.
Analizing and validating Runway references features and properties.
Analizing and validating TouchDownLiftOff references features and properties.
Analizing and validating Navaid references features and properties.
Analizing and validating AeronauticalGroundLight references features and properties.
Analizing and validating HoldingPattern references features and properties.

Filtered TimeSlices with interpretation TEMPDELTA that have a validity period of three months or longer.

3. Writing Data and Creating MD5 Hash

Data has been successfully written into file: EV_AIP_DS_FULL_20180719_AIRAC.xml
MD5 Hash file has been successfully created: EV_AIP_DS_FULL_20180719_AIRAC.xml.md5

AIP data set file generation process has been completed!

Name	Date modified	Type	Size
 EV_AIP_DS_FULL_20180719_AIRAC.xml	06.07.2018 14:05	XML Document	3 949 KB
 EV_AIP_DS_FULL_20180719_AIRAC.xml.m...	06.07.2018 14:05	MD5 File	1 KB
 REPORT_EV_AIP_DS_FULL_20180719_AIR...	06.07.2018 14:05	Text Document	8 KB

AIP DATA SET AS AERONAUTICAL INFORMATION PRODUCT

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- AIXM 5.1 AIP DataSet for EV; -->
<!-- AIP Data Set Type: Complete AIP Data Set -->
<!-- Effective Date: 2018-07-19 CRC32: C88D6852 -->
```

```
<?xml version="1.0" encoding="UTF-8"?>
<!-- AIXM 5.1 AIP DataSet for EV; -->
<!-- AIP Data Set Type: Complete AIP Data Set -->
<!-- Effective Date: 2018-07-19 CRC32: C88D6852 -->
<aixm-message-5.1:AIXMBasicMessage xmlns:aixm-message-5.1="http://www.aixm.aero/schema/5.1/message" xmlns:w3="http://www.w3.org/2001/XMLSchema-instance" xmlns:gml="http://www.opengis.net/gml/3.2"
xmlns:aixm-5.1="http://www.aixm.aero/schema/5.1" gml:id="gmlAranID1" xsi:schemaLocation="http://www.aixm.aero/schema/5.1/message http://www.aixm.aero/schema/5.1/message/AIXM_BasicMessage.xsd">
  - <aixm-message-5.1:hasMember>
    - <aixm-5.1:Airspace gml:id="urn:uuid.00809acf-edf5-4f38-81a8-6a012bc14c7f">
      <gml:identifier codeSpace="urn:uuid:">00809acf-edf5-4f38-81a8-6a012bc14c7f</gml:identifier>
      - <aixm-5.1:timeSlice>
        - <aixm-5.1:AirspaceTimeSlice gml:id="gmlAranID2">
          - <gml:validTime>
            - <gml:TimePeriod gml:id="gmlAranID3">
              <gml:beginPosition>2016-09-15T00:00:00Z</gml:beginPosition>
              <gml:endPosition/>
            </gml:TimePeriod>
          </gml:validTime>
          <aixm-5.1:interpretation>BASELINE</aixm-5.1:interpretation>
          <aixm-5.1:sequenceNumber>8</aixm-5.1:sequenceNumber>
          <aixm-5.1:correctionNumber>0</aixm-5.1:correctionNumber>
        - <aixm-5.1:featureLifetime>
          - <gml:TimePeriod gml:id="gmlAranID4">
            <gml:beginPosition>2016-06-23T00:00:00Z</gml:beginPosition>
            <gml:endPosition/>
          </gml:TimePeriod>
        </aixm-5.1:featureLifetime>
        <aixm-5.1:type>R</aixm-5.1:type>
        <aixm-5.1:designator>EVR17</aixm-5.1:designator>
        <aixm-5.1:localType xsi:nil="true" nilReason="inapplicable"/>
        <aixm-5.1:name>BORDER EAST</aixm-5.1:name>
        <aixm-5.1:designatorICAO xsi:nil="true" nilReason="unknown"/>
        <aixm-5.1:controlType xsi:nil="true" nilReason="unknown"/>
        <aixm-5.1:upperLowerSeparation xsi:nil="true" nilReason="unknown"/>
      - <aixm-5.1:class>
        - <aixm-5.1:AirspaceLayerClass gml:id="gmlAranID5">
          <aixm-5.1:classification>G</aixm-5.1:classification>
        </aixm-5.1:AirspaceLayerClass>
      </aixm-5.1:class>
      <aixm-5.1:protectedRoute xsi:nil="true" nilReason="unknown"/>
    - <aixm-5.1:geometryComponent>
      - <aixm-5.1:AirspaceGeometryComponent gml:id="gmlAranID6">
        - <aixm-5.1:theAirspaceVolume>
          - <aixm-5.1:AirspaceVolume gml:id="gmlAranID7">
            <aixm-5.1:upperLimit uom="FT">2500</aixm-5.1:upperLimit>
            <aixm-5.1:upperLimitReference>MSL</aixm-5.1:upperLimitReference>
            <aixm-5.1:lowerLimit uom="FT">0</aixm-5.1:lowerLimit>
            <aixm-5.1:lowerLimitReference>SFC</aixm-5.1:lowerLimitReference>
          - <aixm-5.1:horizontalProjection>
            - <aixm-5.1:Surface gml:id="gmlAranID8" srsName="urn:ogc:def:crs:OGC:1.3:CRS84">
              - <gml:patches>
                - <gml:PolygonPatch>
                  - <gml:exterior>
                  - <gml:Ring>
```

AIP DATA SET REPORT

Receiving features from AIM.

```
> Airspace (Total: 70, BaseLine: 70, TempDelta: 0)
>> Route (Total: 53, BaseLine: 53, TempDelta: 0)
>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)
>> StandardLevelColumn (Total: 71, BaseLine: 71, TempDelta: 0)
>> Unit (Total: 14, BaseLine: 14, TempDelta: 0)
>> RadioCommunicationChannel (Total: 23, BaseLine: 23, TempDelta: 0)
>> DesignatedPoint (Total: 111, BaseLine: 111, TempDelta: 0)
<< AirTrafficControlService (Total: 18, BaseLine: 18, TempDelta: 0)
<< InformationService (Total: 1, BaseLine: 1, TempDelta: 0)
<< SearchRescueService (Total: 0, BaseLine: 0, TempDelta: 0)
<< SignificantPointInAirspace (Total: 101, BaseLine: 101, TempDelta: 0)

> Route (Total: 53, BaseLine: 53, TempDelta: 0)
>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)
>> StandardLevelColumn (Total: 71, BaseLine: 71, TempDelta: 0)
>> RadioFrequencyArea (Total: 0, BaseLine: 0, TempDelta: 0)
>> DesignatedPoint (Total: 111, BaseLine: 111, TempDelta: 0)
>> Navaid (Total: 9, BaseLine: 9, TempDelta: 0)
>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)
>> AirTrafficControlService (Total: 18, BaseLine: 18, TempDelta: 0)
>> Unit (Total: 14, BaseLine: 14, TempDelta: 0)
>> RadioCommunicationChannel (Total: 23, BaseLine: 23, TempDelta: 0)
>> VOR (Total: 6, BaseLine: 6, TempDelta: 0)
>> DME (Total: 9, BaseLine: 9, TempDelta: 0)
>> Airspace (Total: 70, BaseLine: 70, TempDelta: 0)
<< RouteSegment (Total: 135, BaseLine: 135, TempDelta: 0)
<< AirTrafficControlService (Total: 18, BaseLine: 18, TempDelta: 0)
<< InformationService (Total: 1, BaseLine: 1, TempDelta: 0)
<< SearchRescueService (Total: 0, BaseLine: 0, TempDelta: 0)

> DesignatedPoint (Total: 111, BaseLine: 111, TempDelta: 0)
>> TouchDownLiftOff (Total: 3, BaseLine: 3, TempDelta: 0)
>> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)
>> RunwayCentrelinePoint (Total: 61, BaseLine: 61, TempDelta: 0)
>> Navaid (Total: 9, BaseLine: 9, TempDelta: 0)
>> Azimuth (Total: 0, BaseLine: 0, TempDelta: 0)
>> DirectionFinder (Total: 0, BaseLine: 0, TempDelta: 0)
>> DME (Total: 9, BaseLine: 9, TempDelta: 0)
>> Elevation (Total: 0, BaseLine: 0, TempDelta: 0)
>> Glidepath (Total: 3, BaseLine: 3, TempDelta: 0)
>> Localizer (Total: 3, BaseLine: 3, TempDelta: 0)
>> MarkerBeacon (Total: 0, BaseLine: 0, TempDelta: 0)
>> NDB (Total: 0, BaseLine: 0, TempDelta: 0)
>> SDF (Total: 0, BaseLine: 0, TempDelta: 0)
>> TACAN (Total: 0, BaseLine: 0, TempDelta: 0)
>> VOR (Total: 6, BaseLine: 6, TempDelta: 0)
>> Localizer (Total: 3, BaseLine: 3, TempDelta: 0)
>> Glidepath (Total: 3, BaseLine: 3, TempDelta: 0)
>> RunwayDirection (Total: 10, BaseLine: 10, TempDelta: 0)
>> Runway (Total: 10, BaseLine: 10, TempDelta: 0)
>> OrganisationAuthority (Total: 30, BaseLine: 30, TempDelta: 0)
<< DistanceIndication (Total: 551, BaseLine: 551, TempDelta: 0)
<< AngleIndication (Total: 556, BaseLine: 556, TempDelta: 0)
<< SignificantPointInAirspace (Total: 101, BaseLine: 101, TempDelta: 0)

> AirportHeliport (Total: 17, BaseLine: 17, TempDelta: 0)
>> AltimeterSource (Total: 0, BaseLine: 0, TempDelta: 0)
```

Name	Date modified	Type	Size
 EV_AIP_DS_FULL_20180719_AIRAC.xml	06.07.2018 14:05	XML Document	3 949 KB
 EV_AIP_DS_FULL_20180719_AIRAC.xml.m...	06.07.2018 14:05	MD5 File	1 KB
 REPORT_EV_AIP_DS_FULL_20180719_AIR...	06.07.2018 14:05	Text Document	8 KB

```

AIXM 5.1 driven AIP Data Set v. 1.4.2 Report.
Publishing organisation: LGS
Current date (UTC): 2018-07-06 11:04:28
-----
ICAO Country Code: EV
AIP Data Set Type: Complete AIP Data Set
Effective Date: 2018-07-19
AIRAC: Yes
File Name: EV_AIP_DS_FULL_20180719_AIRAC.xml

```

AIP DATA SET ANALYSIS

f) Aerodrome/Heliport (location indicator, name, designator IATA, served city, certified ICAO, certification date, certification expiration date, control type, field elevation, reference temperature, magnetic variation, airport reference point);

FeatureType	LocationIndicatorICAO	Name	DesignatorIATA
AirportHeliport	EVAP	JELGAVA AMO PLANT	
AirportHeliport	EVJC	NAKOTNE CENTRA JAUNZEMJI	
AirportHeliport	EVKM	KLAUGU MUIZA	
AirportHeliport	EVSM	LIELVARDE M SOLA	
AirportHeliport	EVPA	IKSHKILE	
AirportHeliport	EVRA	RIGA	RDX
AirportHeliport	EVAD	ADAZI	
AirportHeliport	EVHB	NAKOTNE BALTIJAS HELIKOPTERS	
AirportHeliport	EVCS	CHIEKURI	
AirportHeliport	EVGA	LIELVARDE (MIL)	
AirportHeliport	EVLI	LIMBAZI	
AirportHeliport	EVOC	OLD CITY HELIPORT	
AirportHeliport	EVLA	LIEPAJA	LPX
AirportHeliport	EVRS	SPIILVE	
AirportHeliport	EVCA	CESS	
AirportHeliport	EVLU	LUDZA AVP	
AirportHeliport	EWA	VENTSPILS	

Drag a column here to group by this column.						
CertifiedICAO	CertificationDate	CertificationExpirationDate	ControlType	FieldElevation	ReferenceTemperature	MagneticVariation
☐						
☒	06/08/2017 00:00:00	06/07/2022 00:00:00				
☒	12/07/2016 00:00:00	12/06/2021 00:00:00				
☒	09/05/2016 00:00:00	09/04/2021 00:00:00		142 FT	18 C	7
☒	04/21/2016 00:00:00	04/20/2021 00:00:00		65 FT	17.5 C	5
☒	12/12/2017 00:00:00		CIVIL	36 FT	23.5 C	7
☒	09/23/2014 00:00:00	09/22/2019 00:00:00		8 FT		5
☒	07/08/2014 00:00:00	07/07/2019 00:00:00				
☒	01/13/2016 00:00:00	01/12/2021 00:00:00				
☒			MIL	201 FT		8
☒	10/04/2016 00:00:00	10/03/2021 00:00:00		211 FT		6
☒	02/18/2016 00:00:00	02/17/2021 00:00:00				
☒	09/19/2016 00:00:00	12/14/2021 00:00:00		18 FT	23.2 C	6
☒	03/08/2012 00:00:00	03/07/2017 00:00:00		5 FT		7
☒	05/23/2017 00:00:00	05/22/2022 00:00:00		367 FT		5
☒	08/26/2014 00:00:00	08/25/2019 00:00:00		507 FT	22 C	8
☒	11/10/2016 00:00:00	11/11/2021 00:00:00		19 FT	22 C	6

AIP DATA SET ANALYSIS - AIRSPACES

	FeatureType	Type	Name
▶	Airspace	R	BORDER EAST
	Airspace	SECTOR	RIGA AOR SECTOR EAST
	Airspace	TRA	TRA 5 ADAZI
	Airspace	TSA	TSA 8
	Airspace	RAS	LIEPAJA TIA
	Airspace	D	RUMBULA
	Airspace	R	ZALENIEKI
	Airspace	D	KRASTA
	Airspace	TSA	ROZ A
	Airspace	R	REMBATE
	Airspace	TRA	TRA 8 DAUGAVPILS
	Airspace	D	BALOZI
	Airspace	TSA	TC LOW
	Airspace	R	KADAGA
	Airspace	ATZ_P	SPILVE ATZ SECTOR A1
	Airspace	RAS	
	Airspace	R	SKED E EAST
	Airspace	P	INCUKALNS
	Airspace	RAS	LIEPAJA TIZ
	Airspace	R	JURMALA
	Airspace	TRA	TRA 7 LIELVARDE
	Airspace	TRA	TRA 1 CIRAVA
	Airspace	FIR	RIGA FIR
	Airspace	R	SMILTENE
	Airspace	CTR	RIGA CTR
	Airspace	SECTOR	RIGA FIS SECTOR 1
	Airspace	AWY	SOKRO_DCT_EVSM
	Airspace	PROTECT	JURMALA 2
	Airspace	TRA	TRA 6 IKSHKILE
	Airspace	ATZ	VENTSPILS ATZ
	Airspace	SECTOR	LIEPAJA FIS SECTOR
	Airspace	R	RUJiena

	FeatureType	Type	Name
	Airspace	FIR	RIGA FIR
	Airspace	CTA	RIGA CTA
	Airspace	TMA_P	RIGA TMA SECTOR B
	Airspace	TMA_P	RIGA TMA SECTOR A
	Airspace	CTR	RIGA CTR
	Airspace	SECTOR	RIGA AOR SECTOR EAST
	Airspace	SECTOR	RIGA FIS SECTOR 1
	Airspace	SECTOR	LIEPAJA FIS SECTOR
	Airspace	SECTOR	RIGA FIS SECTOR 3
	Airspace	SECTOR	RIGA AOR SECTOR NO...
	Airspace	SECTOR	RIGA AOR SECTOR SO...
	Airspace	SECTOR	RIGA FIS SECTOR 4
	Airspace	SECTOR	RIGA FIS SECTOR 2
	Airspace	TSA	TSA 8
	Airspace	TSA	ROZ A
	Airspace	TSA	TC LOW
	Airspace	TSA	ROZ B
	Airspace	TSA	TSA 2
	Airspace	TSA	TC HIGH
	Airspace	TSA	TSA 7A
	Airspace	TSA	TSA 3
	Airspace	TSA	TSA 7
	Airspace	RAS	LIEPAJA TIA
	Airspace	RAS	
	Airspace	RAS	LIEPAJA TIZ

Group by: Type X		FeatureType
▼	Type: FIR	
▼	Type: CTA	
▼	Type: TMA_P	
▼	Type: CTR	
▼	Type: SECTOR	
▼	Type: TSA	
▼	Type: RAS	
▼	Type: AWY	
▼	Type: R	
▼	Type: D	
▼	Type: TRA	
▼	Type: PROTECT	
▼	Type: ATZ	
▼	Type: ATZ_P	

	Airspace	INCUKALNS
▶	Type: R	
	Airspace	BORDER EAST
	Airspace	ZALENIEKI
	Airspace	REMBATE
	Airspace	KADAGA
	Airspace	SKED E EAST
	Airspace	JURMALA
	Airspace	SMILTENE
	Airspace	RUJiena
	Airspace	MADONA-PLAVINAS
	Airspace	RIGA
	Airspace	SKED E WEST
	Airspace	JEKABPILS
	Airspace	ALUKSNE-GULBENE
	Airspace	IKSHKILE
	Airspace	PREILI-LIVANI
	Airspace	MSOLA
	Airspace	BALVI-VILANI
	Airspace	LIVBERZE

Complete Current Situation

Complete AIP Data Set + NOTAM for Predefined Period



+



AIXM 5.1 driven AIP Data Set v. 1.4.0

File Tools Help

— AIP Data Set Generator —

AIP Data Set Type

Period

ICAO Country Code

Use Pending Data From [Active User Space](#) ☐

6.3.3.4 Recommendation.— *When temporary changes of short duration are made available as digital data (Digital NOTAM), they should use the same aeronautical information model as the complete data set.*

AIP DATA SET INPUT IN THE CURRENT SITUATION

LGS
LATVIJAS GAIŠA SATIKSMĒ

Static Dynamic

date period

From (UTC)

2018-07-07 00:00

To (UTC)

2018-07-08 00:00

LELDA

Airspace temporary changes for period
2018-07-07 00:00 - 2018-07-08 00:00

EVRDUDS2 (STADIONS)	
2018-07-03 05:00 - 2018-07-08 03:00	
EVRDUDS3 (MEZAPARKS)	
2018-07-04 05:00 - 2018-07-09 02:00	
EVR5 (KADA...)	EVR5 (KADAGA)
2018-07-06 06:00	2018-07-07 06:00 - 2018-07-13 05:59
EVTRA6 (TRA 6 IKSHKILE)	
2018-07-07 06:00 - 2018-07-07 1...	
EVD3 (RU...)	
2018-07-07...	
EVTRA8 (TRA 8 DAUGAVPILS)	
2018-07-07 07:00 - 2018-07-0...	
EVTRA5 (T...)	
2018-07-07...	

00:00 04:00 08:00 12:00 16:00 20:00

2018-07-07

Zoom to Flash Attributes

Latvian AIRM 5.1 Web Portal: Experimental AIM Environment for Global AIM Community.
Application is under verification process; not for operational use.

ENHANCED PILOT SITUATIONAL AWARENESS THROUGH THE DIGITAL/GRAPHICAL PRE-FLIGHT BRIEFING CONCEPT
or "from smoke signals to the digital pre-flight briefing concept"

by Renée Pelchen-Medwed and Eduard Porosnicu

THE TELEPRINTER MACHINES IN THE 1920'S SUPPORTED ONLY UPPER CASE LETTERS AND THIS IS THE REASON WHY SOME PILOTS TODAY STILL HAVE TO GO THROUGH NUMBERLESS PAGES OF NOT USER FRIENDLY NOTAM FULL OF ABBREVIATIONS LIKE: CLSD RWY 24L TEMPORARY DISPLACED THRESHOLD PAPI GA 3 ETC.

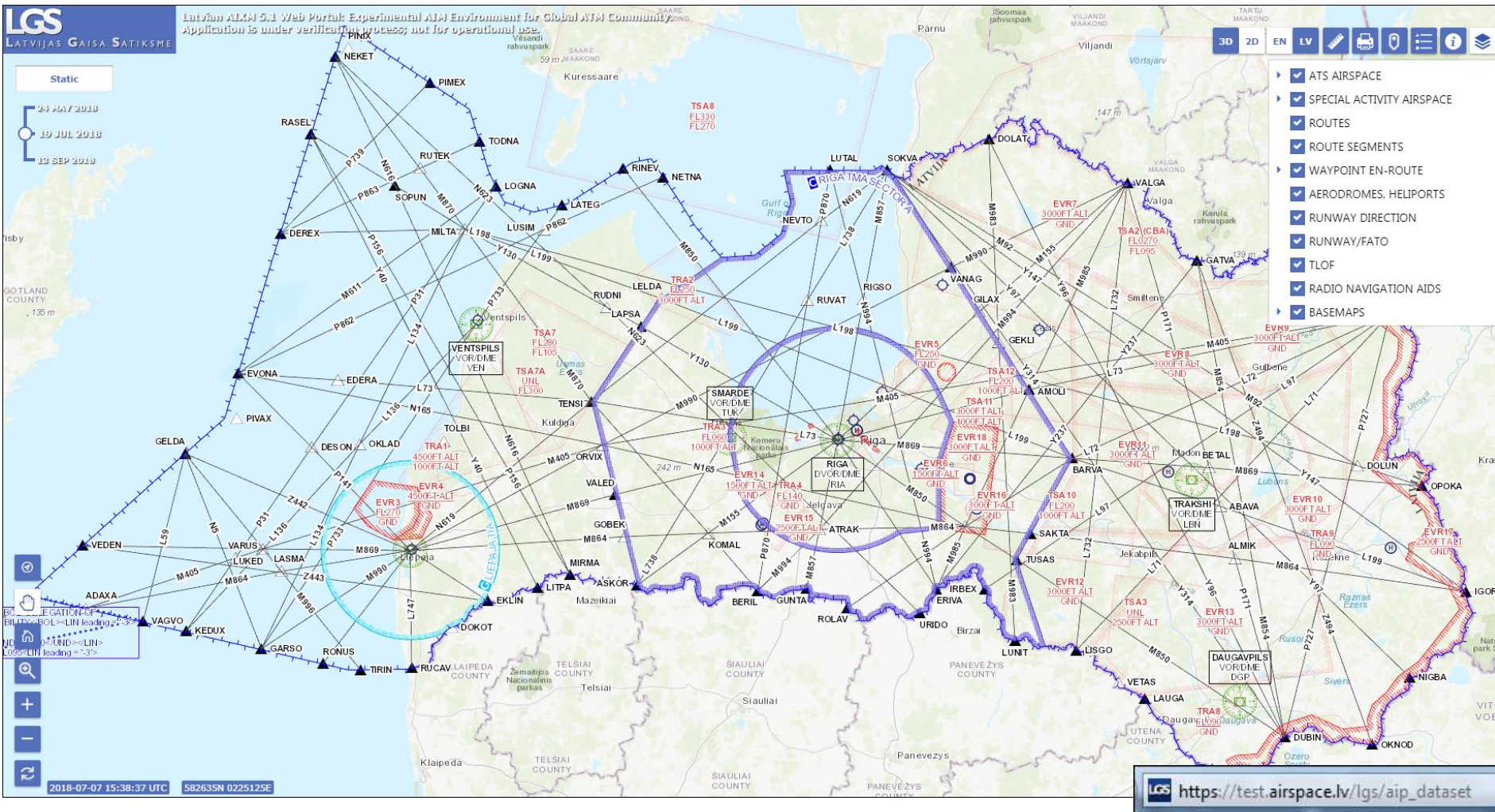
AIP Data Set Generator

AIP Data Set Type: Complete AIP Data Set + NOTAM For Predefined Period

Period: 2018-09-13 00:00 Non-AIRAC UTC 2018-10-11 00:00 Non-AIRAC UTC

ICAO Country Code: EV

AIP DATA SET VISUALIZATION





MANY THANKS FOR YOUR ATTENTION

Questions, please

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