

# **HADG Infrastructure for HAS Phase 2 – Contractual Index Status List**

After Corrigendum 1

**Reference:**

**EUSPA-GAL-GSC-CISL-A26387**

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**Date: 25/05/2024**

| Change Log:               |                                                                                                                                          |               |             |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| <i>Issue/<br/>Version</i> | <i>Changes &amp; Pages Affected</i>                                                                                                      | <i>Author</i> | <i>Date</i> |
| 1.0                       | First version                                                                                                                            | GSC team      | 25/04/2024  |
| 1.1                       | Updated the following applicable documents: <ul style="list-style-type: none"> <li>- HADGp2-AD-TR17</li> <li>- HADGp2-AD-TR18</li> </ul> | GSC team      | 25/05/2024  |

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## 1 Introduction

This document is the Contractual Index Status List (CISL) for the HADG Infrastructure for HAS Phase 2 (EUSPA/OP/17/23). It lists the Applicable Documents to the Contract.

## 2 Applicable Documents

For avoidance of doubt:

- the subsections below group documents for convenience, but do not provide any limitation to their scope of applicability;
- there is no precedence relation between the different documents listed below; any ambiguity, inconsistency or conflict between the documents shall be raised (in written, and as soon as identified) to the attention of the Contracting Authority for clarification;
- ADs referenced within the documents shall be applicable to the extent defined within the documents. No SoC is necessary for those nested documents unless also listed in CISL.

### 2.1 Technical requirements and interfaces

**Table 1.- Technical requirements and interfaces documents**

| Technical requirements and interfaces |                                                                                      |                             |       |                |                                                                                                                                                                                                                                                                                                   |
|---------------------------------------|--------------------------------------------------------------------------------------|-----------------------------|-------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ID                                    | Title                                                                                | Reference                   | Issue | Classification | Notes                                                                                                                                                                                                                                                                                             |
| HADGp2-AD-TR01                        | HADG V2 Technical Requirements                                                       | EUSPA-GAL-SE-REQ-A26620     | 1.1   | U              |                                                                                                                                                                                                                                                                                                   |
| HADGp2-AD-TR02                        | HADG Security Requirements                                                           | EUSPA-SE-SRS-REQ-R02270-RUE | 1.0   | R-UE/EU-R      |                                                                                                                                                                                                                                                                                                   |
| HADGp2-AD-TR03                        | Galileo High Accuracy Service E6-B Signal-In-Space Message Specification for Phase 2 | defis.c.2(2024)3308696      | 1.0   | U              |                                                                                                                                                                                                                                                                                                   |
| HADGp2-AD-TR04                        | Galileo HAS IDD ICD                                                                  | N/A                         | 1.1   | U              | Available under registration<br><a href="https://www.gsc-europa.eu/galileo/services/galileo-high-accuracy-service-has/internet-data-distribution-registration-form">https://www.gsc-europa.eu/galileo/services/galileo-high-accuracy-service-has/internet-data-distribution-registration-form</a> |
| HADGp2-AD-TR06                        | Galileo OS Signal In Space ICD                                                       | N/A                         | 2.1   | U              |                                                                                                                                                                                                                                                                                                   |
| HADGp2-AD-TR07                        | GPS ICD                                                                              | IS-GPS-200                  | N     | U              |                                                                                                                                                                                                                                                                                                   |
|                                       |                                                                                      | IS-GPS-705                  | J     |                |                                                                                                                                                                                                                                                                                                   |
|                                       |                                                                                      | IS-GPS-800                  | J     |                |                                                                                                                                                                                                                                                                                                   |

| Technical requirements and interfaces |                                                                                                                                 |                                   |                |                |                                                                                            |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------|----------------|--------------------------------------------------------------------------------------------|
| ID                                    | Title                                                                                                                           | Reference                         | Issue          | Classification | Notes                                                                                      |
| HADGp2-AD-TR08                        | GSC-HADG Interface Control document                                                                                             | EUSPA-GAL-GSC-ICD-A29208 (legacy) | 1.0            | U              |                                                                                            |
|                                       |                                                                                                                                 | GSA-GAL-GSC-ICD-248437            | 2.2            |                |                                                                                            |
| HADGp2-AD-TR10                        | Galileo 2nd Generation System Test Bed (G2STB) to High Accuracy Data Generator (HADG) IRD                                       | G2G-IRD-ESA-G2STB-X-0001          | 1.2            | U              | The Contractor shall develop an ICD from the IRD.                                          |
| HADGp2-AD-TR13                        | RTCM Standard 10403.3 Differential GNSS (Global Navigation Satellite Systems) Services                                          | N/A                               | 3.0            | U              | RTCM document <sup>1</sup> .<br>The Contractor shall obtain the document by its own means. |
| HADGp2-AD-TR14                        | RTCM 10410.1 Standard for Networked Transport of RTCM via Internet Protocol (Ntrip) Version 2.0 with Amendment 1, June 28, 2011 | N/A                               | 2.0            | U              | RTCM document.<br>The Contractor shall obtain the document by its own means.               |
| HADGp2-AD-TR15                        | Proposal of new RTCM SSR Messages SSR Stage 1: Galileo, QZSS, SBAS, BDS for RTCM STANDARD 10403.3                               | ssr_1_gal_qzss_sbas_bds_v08       | 2018-06-07 v08 | U              | RTCM document.<br>The Contractor shall obtain the document by its own means.               |
| HADGp2-AD-TR16                        | Proposal of new RTCM SSR Messages SSR Stage 2: Satellite Phase Biases for RTCM STANDARD 10403.3                                 | ssr_2_phase_bias_v08              | 2018-05-17 v08 | U              | RTCM document.<br>The Contractor shall obtain the document by its own means.               |
| HADGp2-AD-TR17                        | GSC Hosting Site Interface Control Document – GSC HSICD                                                                         | GAL-ICD-SPO-EXP-X-000033          | 1.2            | U              |                                                                                            |
| HADGp2-AD-TR18                        | E-GSC Backup - Interface Control Document                                                                                       | SGDSP-ICD-CNES-GSC-X-3270         | 1.3            | U              |                                                                                            |
| HADGp2-AD-TR19                        | Document Change Proposal/ Document Change Notice template                                                                       | GSA-PCEDQ-CADM-TMP-A00871         | 1.0            | U              |                                                                                            |

<sup>1</sup> <https://www.rtcn.org>

## 2.2 Operational requirements and processes

Table 2.- Operational requirements and processes documents

| Operational requirements and processes |                                                                           |                          |       |                |       |
|----------------------------------------|---------------------------------------------------------------------------|--------------------------|-------|----------------|-------|
| ID                                     | Title                                                                     | Reference                | Issue | Classification | Notes |
| HADGp2-AD-OP01                         | OPE-CCM Configuration and Change Management                               | GSA-GAL-OPS-PRC-230047   | 1.3   | U              |       |
| HADGp2-AD-OP02                         | OPE-ANM Anomaly Management                                                | GSA-GAL-OPS-PRC-230077   | 1.6   | U              |       |
| HADGp2-AD-OP03                         | OPE-PLA.1.GSOp Operations Planning                                        | GSA-GAL-OPS-PRC-230083   | 1.2   | U              |       |
| HADGp2-AD-OP04                         | OPE-INP Input To Planning                                                 | GSA-GAL-OPS-PRC-230600   | 1.3   | U              |       |
| HADGp2-AD-OP05                         | OPE-MNT [ILS] Operations Integrated Logistic Support 02 (SOPI OPE-MNT.02) | GSA-GAL-OPS-PRC-A02199   | 1.2   | U              |       |
| HADGp2-AD-OP06                         | Anomaly report lifecycle                                                  | GSA-GAL-OPS-TN-243426    | 2.0   | U              |       |
| HADGp2-AD-OP07                         | ARB Terms of Reference                                                    | GSA-GAL-OPS-PRC-228508   | 1.3   | U              |       |
| HADGp2-AD-OP08                         | CCB Terms of Reference                                                    | GAL-TN-SPO-EXP-X-000003  | 2.9   | U              |       |
| HADGp2-AD-OP09                         | IRB Terms of Reference and Organisation Note                              | GAL-PRC-SPO-EXP-X-000010 | 2.0   | U              |       |
| HADGp2-AD-OP10                         | MRAB Terms of Reference                                                   | GSA-GAL-ILS-MGT-A04245   | 1.2   | U              |       |

## 2.3 Management, PA, QA, RAMS and engineering requirements and standards

Table 3.- Management, PA, QA, RAMS, engineering requirements and standards documents

| Management, PA, QA, RAMS and engineering requirements and standards |                         |                          |       |                |       |
|---------------------------------------------------------------------|-------------------------|--------------------------|-------|----------------|-------|
| ID                                                                  | Title                   | Reference                | Issue | Classification | Notes |
| HADGp2-AD-PA01                                                      | Management Requirements | EUSPA-GAL-GSC-REQ-A20606 | 1.0   | U              |       |

| Management, PA, QA, RAMS and engineering requirements and standards |                                                      |                             |       |                |                                        |
|---------------------------------------------------------------------|------------------------------------------------------|-----------------------------|-------|----------------|----------------------------------------|
| ID                                                                  | Title                                                | Reference                   | Issue | Classification | Notes                                  |
| HADGp2-AD-PA02                                                      | EUSPA Document Delivery Rules and Procedures         | EUSPA-PCEDQ-CADM-PRC-A10070 | 1.3   | U              |                                        |
| HADGp2-AD-PA03                                                      | Organisation Note template                           | GSA-PCQ-QMS-TMP-226977      | 4.0   | U              |                                        |
| HADGp2-AD-PA04                                                      | Galileo PA, QA and RAMS Generic Requirements         | EUSPA-PCEDQ-PA-REQ-A24122   | 2.0   | U              |                                        |
| HADGp2-AD-PA05                                                      | EUSPA Generic Rfx Progression Process                | GSA-PCEDQ-PA-PRC-A04614     | 1.4   | U              |                                        |
| HADGp2-AD-PA06                                                      | Rfx template                                         | GSA-PCEDQ-PA-TMP-A00075     | 1.0   | U              |                                        |
| HADGp2-AD-PA07                                                      | Galileo Software Standard for Ground (GSWS-G)        | GAL-REQ-ESA-GS-X-0002       | 1.2   | U              |                                        |
| HADGp2-AD-PA08                                                      | Galileo Ground Segment Integration Standard (GGSIS)  | EUSPA-GAL-SYST-SPE-A16278   | 1.0   | U              |                                        |
| HADGp2-AD-PA09                                                      | GSOp inventory management Interface Control Document | GAL-ICD-SPO-EXP-X-000006    | 1.6   | U              |                                        |
| HADGp2-AD-PA10                                                      | Requirements Engineering Plan and Specifications     | GAL-MGT-ESA-SYST-X-3102     | 1.0   | U              |                                        |
| HADGp2-AD-PA11                                                      | ECSS System Engineering General Requirements         | ECSS-E-ST-10C               | Rev.1 | U              | Available on ECSS website <sup>2</sup> |
| HADGp2-AD-PA12                                                      | ECSS Verification                                    | ECSS-E-ST-10-02C            | Rev.1 | U              | Available on ECSS website              |
| HADGp2-AD-PA13                                                      | ECSS Ground Systems and Operations                   | ECSS-E-ST-70C               | N/A   | U              | Available on ECSS website              |

<sup>2</sup> <https://ecss.nl/standards/>

## 2.4 Security, cybersecurity and accreditation documents

Table 4.- Security, Cybersecurity and accreditation documents

| Security, cybersecurity and accreditation documents |                                                                                  |                                          |       |                |       |
|-----------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------|-------|----------------|-------|
| ID                                                  | Title                                                                            | Reference                                | Issue | Classification | Notes |
| HADGp2-AD-SA01                                      | Programme Security Instruction concerning European GNSS Programmes               | EC-PRO-SEC-INS-PSI_3.0B_ProgrammeSecInst | 4.1   | U              |       |
| HADGp2-AD-SA02                                      | Spider Network CONOPS                                                            | GSA-SEC-CA-UM-A03997                     | 1.1   | U              |       |
| HADGp2-AD-SA03                                      | Spider Network w/FilKrypto SECOPS                                                | GSA-SEC-CA-UM-A01718                     | 1.2   | U              |       |
| HADGp2-AD-SA04                                      | HAS Phase 2 Tailored Security Classification Guide                               | EUSPA-SEC-SRS-SCG-R01335-RUE             | 1.1   | R-UE/EU-R      |       |
| HADGp2-AD-SA05                                      | GALILEO External Entities Security Requirements Document (EEREQ-x)               | GAL-REQ-ESA-SYST-X/1584                  | 2.2   | R-UE/EU-R      |       |
| HADGp2-AD-SA06                                      | Monitored Entity Requirements                                                    | GAL-REQ-ESA-SEC-X-1079-X                 | 1.1   | R-UE/ EU-R     |       |
| HADGp2-AD-SA07                                      | FOC EE SSSRS: Generic EE System Specific Security Requirement Statement          | GAL-PL-CIMC-SEC-X-6240-x                 | 1.2   | R-UE/ EU-R     |       |
| HADGp2-AD-SA08                                      | Generic System Specific Security Requirement Statement Annex A (FOC-SSRS-GEN-A1) | GAL-REQ-CIMC-SEC-X/7524-x                | 1.0   | R-UE/ EU-R     |       |
| HADGp2-AD-SA09                                      | Galileo External Entities SECOPS (EE SECOPS)                                     | GAL-REQ-ESA-SYST-X-1586                  | 1.2   | R-UE/ EU-R     |       |

| Security, cybersecurity and accreditation documents |                                                                   |                             |       |                |                                                                                                                               |
|-----------------------------------------------------|-------------------------------------------------------------------|-----------------------------|-------|----------------|-------------------------------------------------------------------------------------------------------------------------------|
| ID                                                  | Title                                                             | Reference                   | Issue | Classification | Notes                                                                                                                         |
| HADGp2-AD-SA10                                      | Galileo Sites Local Security Operating Procedures (LSOP)          | ESA-DTEN-NG-PROC-03791      | 3.2   | R-UE/ EU-R     |                                                                                                                               |
| HADGp2-AD-SA11                                      | Galileo E-GNSS SISRS                                              | EUSPA-SEC-SA-TN-A20133      | 1.0   | U              |                                                                                                                               |
| HADGp2-AD-SA12                                      | Cybersecurity requirements for Management                         | GAL-SEC-SREQ-SPE-237329     | 1.2   | U              |                                                                                                                               |
| HADGp2-AD-SA13                                      | Cybersecurity requirements for Service Infrastructure             | GAL-SEC-SREQ-SPE-232364     | 1.5   | U              |                                                                                                                               |
| HADGp2-AD-SA14                                      | Cybersecurity requirements for Service Infrastructure Maintenance | GAL-SEC-SREQ-SPE-237266     | 1.2   | U              | Applicable for Cyber related maintenance activities if maintenance options are activated                                      |
| HADGp2-AD-SA15                                      | Network Map Template and Annex E                                  | GAL-TMP-GSA-GSMC-238093     | 1.2   | U              |                                                                                                                               |
| HADGp2-AD-SA17                                      | Element Security Profiles Template                                | EUSPA-ENG-SE-TMP-A28449-RUE | 1.0   | R-UE/EU-R      |                                                                                                                               |
| HADGp2-AD-SA18                                      | Cyber Security Report Template                                    | GAL-TMP-GSA-GSMC-238092     | 1.1   | U              |                                                                                                                               |
| HADGp2-AD-SA19                                      | Cybers security Review Board (CRB) Terms of Reference             | EUSPA-GSMC-OPS-MGT-A13106_  | 2.2   | U              | Applicable if maintenance options are activated                                                                               |
| HADGp2-AD-SA20                                      | SSP vol1B – Main Body                                             | GAL-PL-CIMC-SEC-X-5869-x    | 2.1   | R-UE/EU-R      |                                                                                                                               |
| HADGp2-AD-SA21                                      | SSP FOC Vol.1b Annex Z2 HADG-INF Threat Scenarios                 | TCS-GAL-ACCR-PL-00833-RU    | 1.1   | R-UE/EU-R      | This document will be provided during the contract execution as it will be created based on inputs taken from the HADG P2 DDF |
| HADGp2-AD-SA22                                      | Galileo Local Security Accreditation Plan                         | EUSPA-SEC-SACP-PL-A17146    | 2.1   | U              |                                                                                                                               |

| Security, cybersecurity and accreditation documents |                                                                                                                                 |                              |           |                |       |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|----------------|-------|
| ID                                                  | Title                                                                                                                           | Reference                    | Issue     | Classification | Notes |
| HADGp2-AD-SA23                                      | Galileo Sites LSAP RUE Annex A01 (LSAP A01)                                                                                     | EUSPA-SEC-SACP-PL-A17146-RUE | 2.1       | R-UE/EU-R      |       |
| HADGp2-AD-SA24                                      | FOC Galileo Security Accreditation and Certification Plan (FOC SACP - Main Body)                                                | GAL-PL-CIMC-SEC-A-5082       | 2.3       | U              |       |
| HADGp2-AD-SA25                                      | FOC Annex A to Galileo Security Accreditation and Certification Plan (Security Evaluation Assurance Level) (FOC SACP - Annex A) | GAL-PL-CIMC-SEC-A-5083-x     | 1.7       | R-UE/EU-R      |       |
| HADGp2-AD-SA26                                      | FOC SACP – Annex B TEMPEST Levels                                                                                               | GAL-PLP-CIMC-SEC-A-5084      | 1.7       | R-UE/EU-R      |       |
| HADGp2-AD-SA27                                      | FOC Annex C to Galileo Security Accreditation and Certification Plan (Deliverables) (FOC SACP - Annex C)                        | GAL-PL-CIMC-SEC-A-5085-x     | 2.6       | R-UE/EU-R      |       |
| HADGp2-AD-SA28                                      | DCN to FOC SACP - Annex C                                                                                                       | GAL-DCN-CIMC-SEC-X-10713-x   | 1.1       | R-UE/EU-R      |       |
| HADGp2-AD-SA29                                      | FOC Annex D to Galileo Security Accreditation and Certification Plan (Requirements) (FOC SACP - Annex D)                        | GAL-PL-CIMC-SEC-A-5310-x     | 1.5       | R-UE/EU-R      |       |
| HADGp2-AD-SA30                                      | Common Criteria Evaluation and Certification                                                                                    | No reference                 | 3.1 rev 5 | U              |       |
| HADGp2-AD-SA31                                      | Information assurance security policy on Public Key Infrastructure                                                              | 11660/13 CSCI 38 CSC 63      | N/A       | U              |       |

| Security, cybersecurity and accreditation documents |                                                                                                                   |                           |           |                |                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|----------------|---------------------------|
| ID                                                  | Title                                                                                                             | Reference                 | Issue     | Classification | Notes                     |
| HADGp2-AD-SA32                                      | Internet X.509 Public Key Infrastructure - Certificate and Certificate Revocation List (CRL) Profile              | RFC 5280                  | N/A       | U              | Available on IETF website |
| HADGp2-AD-SA33                                      | Updates to the Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile | RFC 6818                  | N/A       | U              | Available on IETF website |
| HADGp2-AD-SA34                                      | Electronic Signatures and Infrastructures (ESI); Cryptographic Suites                                             | ETSI TS 119 312           | (2023-08) | U              | Available on ETSI website |
| HADGp2-AD-SA35                                      | Galileo Validation System Security Accreditation Strategy                                                         | GSA-SAB-19-06-40-10       | 1.0       | U              |                           |
| HADGp2-AD-SA36                                      | Galileo Validation System Security Accreditation and Certification Plan                                           | EUSPA-SEC-SACP-PL-A17154  | 1.1       | U              |                           |
| HADGp2-AD-SA37                                      | Key Management Plan template                                                                                      | EUSPA-ENG-SREQ-TMP-A28954 | 1.0       | U              |                           |
| HADGp2-AD-SA38                                      | Decision of the Administrative Board on the security rules for protecting EU Classified Information               | EUSPA-SEC-AB-DEC-A22114   | 1.0       | U              |                           |
| HADGp2-AD-SA39                                      | EUSPA Policy for handling C-UE/EU-C and S-UE/EU-S information                                                     | EUSPA-SEC-CSO-POL-A23317  | 3.0       | U              |                           |

| Security, cybersecurity and accreditation documents |                                                                                                        |                          |       |                |       |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------|--------------------------|-------|----------------|-------|
| ID                                                  | Title                                                                                                  | Reference                | Issue | Classification | Notes |
| HADGp2-AD-SA40                                      | EUSPA Policy on handling RESTREINT UE/EU RESTRICTED information                                        | EUSPA-SEC-CSO-PRC-A11216 | 2.0   | U              |       |
| HADGp2-AD-SA41                                      | Guidelines for deliveries of EU classified information level RESTREINT UE/EU RESTRICTED                | EUSPA-SEC-CSO-PRC-A21678 | 1.0   | U              |       |
| HADGp2-AD-SA42                                      | Guidelines for deliveries of EU classified information level CONFIDENTIEL UE/EU CONFIDENTIAL and above | EUSPA-SEC-CSO-PRC-A15666 | 1.0   | U              |       |

**End of Document**