

# **HADG Infrastructure for HAS Phase 2 – Deliverables Requirements List**

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**EUSPA-GAL-GSC-DRL-A26388**

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## 1 Introduction

This document contains the list of deliverable requirements list for the HADG Infrastructure for HAS Phase 2 Contract EUSPA/OP/17/23, with the list of deliverables at each point throughout the execution of the Contract. In case of conflict or missing elements, considering other applicable documents in CISL, the Contractor shall notify the Contracting Authority.

## 2 Acronyms and Abbreviations

Refer to “List of acronyms” document, ref. EUSPA-GAL-GSC-LI-A26393.

## 3 Applicable and Reference Documents

Applicable Documents are listed in CISL, ref. EUSPA-GAL-GSC-CISL-A26387.

Reference Documents are listed in “List of Reference Documents”, ref. EUSPA-GAL-GSC-LI-A26392.

## 4 Software and Hardware deliverables

The delivery of software and hardware components that comprise the HADG Infrastructure for HAS Phase 2 shall be performed at least at the milestones identified in the following table. Additional deliveries of the items shall be made as necessary.

In case the performance of the tasks under the SoW requires the production of additional items not listed in this DRL, they shall also be considered Deliverable Items by default.

**Table 1 Deliverable Requirements List: Hardware and Software**

Product Name	Deliveries			
	QR	AR	D-AR	End of Maintenance Options
Operational and non-operational platforms				
OPE platform	x	x		
VAL platform	x	x		
Back Up site platform			x	
Maintenance platform (to be used by HADG maintainer)				x
INT platform			x	
Any other platforms developed or procured under the contract		x		
Developed Software Source Code	x	x		
Developed Software Binaries and Executables	x	x		
Commercial off-the-shelf (COTS) (including databases)	x	x		
Engineering Tools				
Development Software (including COTS)	x	x		
Development Environment	x	x		
Automated Build and Test Scripts (including configuration files)	x	x		

Product Name	Deliveries			
	QR	AR	D-AR	End of Maintenance Options
Verification Tools				
Test and simulation tools	X	X		
All test stubs	X	X		
Developed AIV Software Source Code	X	X		
Developed AIV Software Binaries	X	X		
AIV COTS (including databases).	X	X		
Licences, Maintenance, and Spare Parts				
All Software Licences (including background Intellectual Property Rights (IPR))	X	X	X (when applicable to back up chain)	
Spare Parts	X	X	X (when applicable to back up chain)	
Supplies and Consumables	X	X	X (when applicable to back up chain)	
Maintenance Equipment and Tools	X	X	X (when applicable to back up chain)	
Configuration Management Tools	X	X	X (when applicable to back up chain)	
Configuration Management Datasets (including configuration files)	X	X	X (when applicable to back up chain)	

## 5 Deliverable Document List

The following tables present the list of Deliverable Document Lists (“DDL”) to be delivered by the Contractor in each specific milestone or event.

For avoidance of doubt, DDL are considered as part of the Deliverable Items.

In case the performance of the tasks under the SoW requires the production of additional documentation not listed in this DRL, they shall also be considered deliverable documents by default.

The Contractor may propose optimisations in the deliverables (e.g. merging documents), as long as the completeness of the deliverables is ensured and covers the tasks identified in the corresponding Contract SoW.

Besides the milestone deliveries explicitly covered in the following tables, documents shall also be delivered whenever any update is necessary.

The classification level shall be set in accordance with applicable requirements, in particular the applicable Security Classification Guide [HADGp2-AD-SA04].

When relevant, documents shall be split into different volumes (e.g. applicable to design and security documentation):

- One volume for segment-level documentation;
- One volume for each of the (sub-segment) elements.

## 5.1 Project Management documents

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-PM01	Project Management Plan	X											
HADGp2-DD-PM02	Work Breakdown Structures	X											
HADGp2-DD-PM03	Work Breakdown Description	X											
HADGp2-DD-PM04	Project Directory	X											
HADGp2-DD-PM05	Baseline Schedule	X											Whenever updated through an approved Contract Change Notice (CCN)
HADGp2-DD-PM06	Working Schedule Report	X	X	X	X	X	X	X	X	X		X	Whenever necessary
HADGp2-DD-PM07	Action Item List		X	X	X	X	X	X	X	X	X	X	
HADGp2-DD-PM08	Progress Report											X	As of AR/D-AR, the Progress Report will be sent to the Contracting Authority on a quarterly basis.



ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-PM09	Risk Management Plan	X											
HADGp2-DD-PM10	Risk Register	X										X	
HADGp2-DD-PM11	Review Organisation Notes	X	X	X	X	X	X	X	X	X	X		For each project milestone (including lower-level), in advance of the milestone as per SoW
HADGp2-DD-PM12	Statement of Compliance to each applicable document as per CISL	X (as contr.)	X (as des.)					X (as built)					SOCs at KO to be updated if options are activated
HADGp2-DD-PM13	Technical Assistance Description												On request by the Contracting Authority
HADGp2-DD-PM14	Technical Assistance Report												On conclusion of the support activity

## 5.2 Engineering documents

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-EN01	Design, Development, and Verification Plan	X	X	X	X								
HADGp2-DD-EN02	Requirements Traceability Matrix		X	X	X								
HADGp2-DD-EN03	Design Definition File		X	X									
HADGp2-DD-EN04	Design Justification File		X	X									
HADGp2-DD-EN05	Commercial Off-The-Shelf (COTS) List		X	X	X								
HADGp2-DD-EN06	External Interface Control Document		X	X			X						
HADGp2-DD-EN07	Internal Interface Control Document		X	X			X						
HADGp2-DD-EN08	Obsolescence Plan		X	X			X	X	X				
HADGp2-DD-EN09	Installation Report				X		X		X				
HADGp2-DD-EN10	Verification specifications		X	X	X								
HADGp2-DD-EN11	Verification Report					X	X						
HADGp2-DD-EN12	Verification Control Document		X	X		X	X	X					

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-EN13	HADG-SECMON Interface Control Document			X				X					
HADGp2-DD-EN14	HADG Elements (sub-systems) Technical Specifications	X	X	X									

### 5.3 Operations and maintenance documents

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-OP01	Concept of Operations		X	X									
HADGp2-DD-OP02	Maintenance Plan			X			X	X					
HADGp2-DD-OP03	Integrated Logistics Support Concept		X	X									
HADGp2-DD-OP04	Integrated Logistics Support Plan			X			X						
HADGp2-DD-OP05	Spare Parts Analysis			X			X	X					
HADGp2-DD-OP06	Training Plan			X			X						

ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-OP07	Training Material						X					Two weeks before training sessions
HADGp2-DD-OP08	Training Report						X					
HADGp2-DD-OP09	Installation, Operations, and Maintenance Manual			X			X					
HADGp2-DD-OP10	Packaging, Handling, Storage, and Transportation Manual			X								
HADGp2-DD-OP11	Maintenance Procedures						X	X				
HADGp2-DD-OP12	Migration plan			X			X					
HADGp2-DD-OP13	KPI Monitoring and Management Plan			X			X					
HADGp2-DD-OP14	KPI report									X		

## 5.4 Security and accreditation documents

ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-SA01	Security Management Plan	X	X	X								
HADGp2-DD-SA02	Threat Scenario Coverage			X (as des.)			X (as built)					
HADGp2-DD-SA03	Identification and Classification of Assets			X			X					
HADGp2-DD-SA04	Certification and Evaluation Status Report			X			X					
HADGp2-DD-SA05	Inputs to Local Security Plan		X	X			X					
HADGp2-DD-SA06	Inputs to Local Security Operations		X	X			X	X				
HADGp2-DD-SA07	Business Continuity Plan			x			x					
HADGp2-DD-SA08	Key Management Plan			X			X					

In addition to the above, the Contractor shall deliver any other additional documentation required by accreditation processes.

## 5.5 Cyber-security documents

In case of conflict between the table below, and cyber-security requirements applicable as per CISL, then the corresponding applicable documents shall prevail.

ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-CS 01	Cyber audit plan		X	X								Every 6 months
HADGp2-DD-CS 02	Cyber audit report		X	X								Quarterly
HADGp2-DD-CS 03	Cyber critical findings notification											As soon as identified
HADGp2-DD-CS 04	Security incident report											As soon as identified
HADGp2-DD-CS 05	Security awareness programme	X										Each relevant milestone, if necessary.
HADGp2-DD-CS 06	Security awareness report		X									Yearly
HADGp2-DD-CS 07	Cyber acceptance audit plan			X			X	X				
HADGp2-DD-CS 08	Cyber acceptance report						X	X	X	X		

ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-CS 09	Network map		X	X	X		X	X	X			When necessary
HADGp2-DD-CS 10	Vulnerability report						X	X	X			Monthly after QR
HADGp2-DD-CS 11	Vulnerability correction plan						X	X	X			Quarterly
HADGp2-DD-CS 12	Patch report						X	X	X			Monthly after QR
HADGp2-DD-CS 13	Lockdown report			X			X	X	X			
HADGp2-DD-CS 14	Security credentials							X	X			
HADGp2-DD-CS 15	Patch impact analysis											As soon as identified
HADGp2-DD-CS 16	Element Security Profiles for Provider (UNCLA and/or CLA)		X	X	X		X	X	X			

## 5.6 PA/QA and RAMS documents

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-PA01	Product Assurance Plan	X	X	X									
HADGp2-DD-PA02	PA & Safety Requirements for Subcontractors and Suppliers		X										
HADGp2-DD-PA03	PA/QA Report			X			X	X	X				
HADGp2-DD-PA04	Audit Preparation and Implementation Plan	X	X				X						
HADGp2-DD-PA05	Audit Report												Delivery after each audit
HADGp2-DD-PA06	Critical Item List		X	X			X	X					
HADGp2-DD-PA07	Problem Reports (Observation Reports, Anomaly Reports, Non-conformance Reports)												When problem is identified
HADGp2-DD-PA08	List and trend of Problem Reports				X	X	X	X	X	X			
HADGp2-DD-PA09	Dependability, RAMS analysis and Reports		X	X			X						



ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-PA10	Return of Experience report							X	X	X		
HADGp2-DD-PA11	System/Element Release Note				X							With any release
HADGp2-DD-PA12	Certificate of Conformance						X	X				With any release
HADGp2-DD-PA13	Request for Deviation	X										As soon as identified
HADGp2-DD-PA14	Request for Waiver											As soon as identified
HADGp2-DD-PA15	Non-conformances Status List				X	X	X	X				
HADGp2-DD-PA16	Inspection Plan	X	X	X								
HADGp2-DD-PA17	Inspection Procedure											Before any Inspection
HADGp2-DD-PA18	Inspection Report											After any Inspection

## 5.7 Configuration and documentation management documents

ID	Document Title	Deliveries										Other Deliveries	
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR		
HADGp2-DD-CD01	Configuration and Documentation Management Plan	X	X										
HADGp2-DD-CD02	Deliverable Items List	X											
HADGp2-DD-CD03	Document Delivery List	X	X										
HADGp2-DD-CD04	Document Status List							X	X				
HADGp2-DD-CD05	Configuration Status Accounting Report	X	X	X	X	X	X	X					Delivery with any documentation release.
HADGp2-DD-CD06	Configuration Items Data List	X	X	X									
HADGp2-DD-CD07	As-Built Configuration List				X	X	X	X					
HADGp2-DD-CD08	Document Change Proposal												As required
HADGp2-DD-CD09	Document Change Notice												As required

ID	Document Title	Deliveries										Other Deliveries
		KO	PDR	CDR	TRR	TRB	QR	AR	D-AR	MR	MPR	
HADGp2-DD-CD10	Waivers/Deviations Status List			X			X	X			X	
HADGp2-DD-CD11	Hardware and software inventory (Inventory List)			X	X		X	X			X	

## 5.8 SW documents

For each of the SW components, the corresponding deliverables as per applicable “Galileo Software Standard for Ground (GSWS-G)” (see CISL) .

## A.1 Accreditation milestones and related documentation

This table summarizes the relation between HADG P2 deliverables and the different accreditation milestones that the HADG P2 contract shall support.

**Table 2 Deliverables related to accreditation milestones**

	AREA								
	System					Site			
Security Accreditation Milestones / Documents	Pre-ATO	ATO	System modification - SAB confirmation MRAB	System modification - SAB information (a posteriori)	Consultation	SAR	Pre-SATO	VAL SATO	OPE SATO
Cyber SoC As-Built	x	x							
Cyber SoC As-Designed					x				
Design Definition File (DDF) and supporting technical documents	x				x				
Installation Report								x	x
Inventory HW_SW								x	x
Inventory HW_SW / as designed/planned for shipment						x			
IVQ phase design documentation (incl. inventory of assets and configurations)							x		
IVQ phase interconnection security requirements							x		
IVQ phase security assessment							x		
IVQ phase security measures and SECOPS							x		
IVQ phase SoC to interconnection security requirements							x		
<b>Key Management Plan</b>									
Local SECOPS						x		x	x
Inputs to Local Security Plan						x		x	x
Lockdown Report Executive Summary								x	x
Corrective/Maintenance Release Acceptance Board report			x	x					
Corrective/Maintenance Release Implementation plan			x	x					
Corrective/Maintenance Release Justification File			x	x					
QR Board Report and review outcome DP	x								
SSRS SoC As Built	x	x							
SSRS SoC						x		x	x

**End of Document**