



European Maritime Safety Agency

Request for Change Earth Observation Data Centre

Appendix 4 - Upgrade of Earth Observation Data Centre to Support New Platforms

Business Requirements

Document version : **1.0**

Document date : **20/08/2021**

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Definitions and acronyms

ACT: Activity Detection Service
CDE: Change Detection
CDS: Change Detection Service
COD: Central Organization Database
CSG: COSMO 2nd Generation
DER: Derived Product Package
DTO: Data Take Opportunity
EO: Earth Observation
EFS: Enriched Feature Detection
EICD: External Interface Control Document
EODC: Earth Observation Data Centre
EOP: Earth Observation Product
EOPO: Optical Earth Observation Product
EVS: Enriched Vessel Detection
FDS: Feature Detection Service
FTP: File Transfer Protocol
ICD: Interface Control Document
IdM: Identity Manager
JOU: Journaling
MS: Microsoft
NRT: Near Real Time
OSN: Oil Spill Notification
POR: EODC Planning Tool (Planning and Ordering)
QNO: Quality Notification
QRT: Quasi Real Time
QUA: Quality Report
RfC: Request for Change
SAR: Synthetic Aperture Radar
SEG: SafeSeaNet Ecosystem Graphical Interface
SO: Satellite Owner
SP: Service Provider
SP1: Service Provider 1
SP2: Service Provider 2
SWW: SAR Wind and Wave
SP: Service Providers
VDS: Vessel Detection Service

WDS: Wake Detection Service

WMS Web Map Service

1. Description

The main objective of this request for change (RfC) to the Earth Observation Data Centre (EODC) is to extend the EODC capabilities to new platforms/satellites:

- GAOFEN-3
- Worldview Legion

Important Note: the following platforms, that are also described in this document, are not to part of the tender requirements and shall not be considered in the offer:

- KOMPSAT-6
- COSMO 2nd Generation constellation

2. Service Requirements

2.1 General definitions

Title: Definition of EO Product						
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority: N/A
EODC-668			01	N/A		
Service: All				Version: 1.0		
Application: EODC				Type: Informative		
Sub-Service: N/A						
Components: N/A						
<p>An EO product contains information gathered through an observation on the surface of the planet Earth and/or subsequent analysis. For example, an EO product can be a satellite image as well as an oil spill feature detected from a satellite image. EMSA External Interface Control Document (EICD) defines and regulates the content and structure of each all EO product.</p> <p>EO products are classified into the following categories:</p> <ul style="list-style-type: none">1) Planning Files: EODC planning file format has been defined, which is used for loading/exporting planning data into the EODC Planning Tool (POR).2) Basic Products: refer to the EO Products that shall be delivered for all EO services from the EO service providers to the EODC, they encompass:<ul style="list-style-type: none">EOP/EOPO: Earth Observation Package (note: EOPO only valid for EICD 1.4.4; deprecated in EICD 2.0.0);Quality notification (QNO);Derived product package (DER);QUA: Quality Report Package.3) Value Added Products (VAP) refer to products which can be extracted from the EO images, they encompass:<ul style="list-style-type: none">Oil Spill Notification (OSN) Package: EO product for which possible oils spills are reported.Vessel Detection Service (VDS) Package: EO product for which possible vessel detections are reported.ACT: Activity Detection Service Package: EO product for which possible activities are reported.						

4) New VAPS (EICD 2.0)

- Enriched Vessel Detection Service (EVS) Package: EO product for which possible vessel detections are reported (contains more complex information when compared to VDS product);
- Feature Detection Service (EFS) Package: EO product for which possible feature detections are reported;
- Enriched Feature Detection Service (EFS) Package: EO product for which possible feature detections are reported. (includes more detailed information when compared to FDS product);
- Wake Detection Service (WDS) Package: EO product for which possible wake detections are reported;
- Change Detection Service (CDS) Package: product for which possible change detections are reported. Although in EICD 1.4.4, there was already a Change Detection Service (CDE), it was not available to users and it had very little usage.

Title: Definition of EO Package

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority: N/A
EODC-669			02	N/A		
Service: All				Version: 1.0		
Application: EODC				Type: Informative		
Sub-Service: N/A						
Components: N/A						
EO products are bundled in packages, which can contain vector or raster data. Each package shall be self-contained usually using compressed files (zip, tar, etc.). The EICD defines and regulates the content and organization of each one of these packages.						

Title: Definition of EO Provider

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority: N/A
EODC-670			03	N/A		
Service: All				Version: 1.0		
Application: EODC				Type: Informative		
Sub-Service: N/A						
Components: N/A						
EO services in EMSA have 2 types of Providers:						
<ul style="list-style-type: none">- Service Provider-1 (SP1), also known as License Provider or even Satellite Owner (SO): EMSA acquires satellite licences directly from the LP's to use the data and makes these licences available to the SP, enabling them to download and process in Near-Real-Time the data on behalf of EMSA. The LP also provides the Agency with the right to distribute satellite images to users, for example MDA SO/LP grants EMSA Radarsat-2 licences;- Service Provider-2 (SP2) also known as Service Provider (SP): Contractor that is in charge on acquiring satellite images, processing, producing value added Products and deliver to EMSA.						

Title: EO Acquisition (or EO Service)					
Issue	JIRA	Number:	Requirement order ID in RFC:	External Reference:	Priority: N/A
EODC-671			04	N/A	
Service: All				Version: 1.0	
Application: EODC				Type: Informative	
Sub-Service: N/A					
Components: N/A					
An EO Acquisition is a combination of different EO products, delivered by the SP, in the form of EO Packages.					

Title: GAOFEN-3 SAR platform					
Issue	JIRA	Number:	Requirement order ID in	External Reference:	Priority: N/A
EODC-672			RFC:05	N/A	
Service: All				Version: 1.0	
Application: EODC				Type: Informative	
Sub-Service: N/A					
Components: N/A					
GAOFEN-3 is a C-band polarimetric SAR imaging satellite with a wide set of imaging modes from medium resolution up to Very High Resolution.					
The SNAP tool, used by EO-Processing to process SAR imagery, does not support GAOFEN-3 imagery but, an update has been submitted to SNAP. https://github.com/senbox-org/s1tbx/pull/79 .					

Title: KOMPSAT-6 SAR platform					
Issue	JIRA	Number:	Requirement order ID in	External Reference:	Priority: N/A
EODC-673			RFC:06	N/A	
Service: All				Version: 1.0	
Application: EODC				Type: Informative	
Sub-Service: N/A					
Components: N/A					
KOMPSAT-6 is a polarimetric X-band satellite with up to 4 operational modes that ranges from high to very high resolution.					

Title: CSG SAR platform constellation					
Issue	JIRA	Number:	Requirement order ID in	External Reference:	Priority: N/A
EODC-674			RFC:07	N/A	
Service: All				Version: 1.0	
Application: EODC				Type: Informative	
Sub-Service: N/A					
Components: N/A					
Cosmo SkyMed Second Generation (CSG), is the X-band SAR constellation, that is operating in tandem with the existing Cosmo-SkyMed constellation.					

Title: Worldview Legion						
Issue	JIRA	Number:	Requirement	order	ID	in
EODC-675			RFC:08		External Reference:	
				N/A		
Service: All					Version: 1.0	
Application: EODC					Type: Informative	
Sub-Service: N/A						
Components: N/A						
Worldview Legion is constellation of six very high-resolution optical satellites, with a planned launch date for the first satellites in Q1 2022.						

2.2 Functional requirements

2.2.1 Planning and tasking EO Acquisitions from new EO platforms

Title: New platforms to be supported by EODC						
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority: N/A
EODC-678			09	N/A		
Service: All				Version: 1.0		
Application: EODC				Type: Functional		
Sub-Service: N/A						
Components: N/A						
EODC functionalities, available for currently supported platforms, shall also be available for EO Products based on the following new platforms (both in EICD 1.4.4 and EICD 2.0.0 formats):						
<ul style="list-style-type: none">- Komsat-6- GAOFEN-3- Cosmo-SkyMed 2nd Generation constellation (CSG)- Worldview Legion constellation;						

Acceptance criteria:

End-to-end tests, from uploading planning files until making the information available to end-users.

Pre-conditions:

- 1) Platforms are correctly configured in EODC;
- 2) Provider-1, for listed satellites, is correctly configured in EODC;
- 3) Product class, FWC, SC, commitments, price matrixes and reduction coefficients are configured for listed satellites and associated product classes;
- 4) Service Type, for listed satellites, is configured in EODC;
- 5) Planning file according to EICD 1.4.4 and 2.0.0 format;
- 6) At least 2 EO service per platform- preferably in different acquisition modes.

Steps:

- 1) Create carts, in POR, for all the EO Services defined in the test dataset
- 2) Run end-to-end tests of the approval workflow until tasked.

Expected Results:

- 1) Task forms are successfully generated.
- 2) EODC Journaling is successfully populated with tasked information.
- 3) Tasking information is correctly exposed to other EMSA applications (SEG shall be used).

Test Dataset #01- defined in Requirement 25 (EODC-677) of this RfC.

2.2.2 New Platforms: GAOFEN-3, KOMPSAT-6, Cosmo SkyMed 2nd generation

Title: Process new SAR platforms

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-679			10	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

EO-Processing functionalities, available for supported platforms, shall also be available for EO products based on the new platforms both in EICD 2.0.0 and EICD 1.4.4 formats.

List of new platforms:

- GAOFEN-3;
- KOMPSAT-6;
- COSMO-SKYMED-SG_1;
- COSMO-SKYMED-SG_2;
- COSMO-SKYMED-SG_3;
- COSMO-SKYMED-SG_4.

This platform name is subject to update at the design stage.

Acceptance criteria:

End-to-end tests, from uploading planning files until making the information available to end-users.

Pre-conditions:

- 1) Pre-condition: pass the tests, as defined in Acceptance criteria of Requirement 09 (SEG-678 of this RfC).

Steps:

- 1) Create carts, in POR, for all the EO Services defined in the test dataset;
- 2) Run end-to-end tests of the approval workflow until tasked;
- 3) Ingest EO packages in AXWAY.

Expected Results:

- AXWAY: EO packages are successfully received at AXWAY;
- EODC EO-Processing Administration: Files are successfully ingested and processed;
- EODC Journaling GUI: Information is correctly displayed;
- EO-Processing webservices exposing VAP information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EO-Processing webservices exposing EO acquisition information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EODC Financial system: Financial reports are correctly generated.

Test Dataset #02- defined in Requirement 25 (EODC-677) of this RfC.

2.2.3 New Platforms: Worldview Legion

Title: EODC Add new platforms: Pléiades NEO

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-683			14	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

All EO-Processing functionalities, available for supported platforms, shall also be available for EO products based on the new platforms both in EICD 2.0.0 and EICD 1.4.4 format.

List of new platforms:

- Worldview-Legion_1
- Worldview-Legion_2
- Worldview-Legion_3
- Worldview-Legion_4
- Worldview-Legion_5
- Worldview-Legion_6

This final list of platforms is subject to update at the design stage.

Acceptance criteria:

End-to-end tests, from uploading planning files until making the information available to end-users.

Pre-conditions:

- 1) Pre-condition: pass the tests, as defined in Acceptance criteria of Requirement 09 (EODC-678) of this RfC.

Steps:

- 1) Create carts, in POR, for all the EO Services defined in the test dataset
- 2) Run end-to-end tests of the approval workflow until tasked.
- 3) Ingest EO packages in AXWAY

Expected Results:

- AXWAY: EO packages are successfully received at AXWAY;
- EODC EO-Processing Administration: Files are successfully ingested and processed;
- EODC Journaling GUI: Information is correctly displayed;
- EO-Processing webservices exposing VAP information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EO-Processing webservices exposing EO acquisition information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EODC Financial system: Financial reports are correctly generated.

Test Dataset #04- defined in Requirement 25 (EODC-677) of this RfC.

Title: Process Worldview Legion products

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-684			15	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

EODC shall be able to ingest, process, control its completeness and exposes information and images, received from the platforms listed in Requirement 14 (EODC-683) of this RfC, for all the single bands, available bundles and band combination.

Acceptance criteria:

End-to-end tests, from uploading planning files until making the information available to end-users.

Pre-conditions:

- 1) Pre-condition: pass the tests, as defined in Acceptance criteria of Requirement 09 (EODC-678) of this RfC.

Steps:

- 1) Create carts, in POR, for all the EO Services defined in the test dataset
- 2) Run end-to-end tests of the approval workflow until tasked.
- 3) Ingest EO packages in AXWAY

Expected Results:

- AXWAY: EO packages are successfully received at AXWAY;
- EODC EO-Processing Administration: Files are successfully ingested and processed;
- EODC Journaling GUI: Information is correctly displayed;
- EO-Processing webservices exposing VAP information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EO-Processing webservices exposing EO acquisition information to other EMSA applications (SEG): information is correct and geographical features are correctly located;
- EODC Financial system: Financial reports are correctly generated.

Test Dataset #04- defined in Requirement 25 (EODC-677) of this RfC.

2.2.4 Calibration of images display

Title: Visualization, calibration and fine tuning of new SAR platforms imagery display

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-685			16	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

The visualization requirement of EO-Processing component (EOPROC-1843-<https://support.emsa.europa.eu/browse/EOPROC-1843>), already foresees the rules and approach for SAR visualization. The processing of SAR images and its display of the EODC webservices (WMS) requires fine-tuning and calibration of the processor. For this, the contractor shall be in close contact with EMSA to define, test and validate needed calibrations and fine adjustments.

Acceptance criteria:

The final display of EO images, in EODC webservices, shall be validated by EMSA.

Title: Calibration and fine tuning of Worldview Legion imagery display

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-686			17	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

The visualization requirement of EO-Processing module (EOPROC-1843), already foresees the rules and approach for Optical imagery visualization.

The processing of Optical images and its display on the EODC webservices (WMS) requires fine-tuning and calibration of the processor. For this, the contractor shall be in close contact with EMSA to define, test and validate needed calibrations and fine adjustments.

Acceptance criteria:

The final display of EO images, in EODC webservices, shall be validated by EMSA.

2.2.5 Configuration of EODC

Title: EODC Add new SP1's

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-687			18	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Functional			
Sub-Service: N/A							
Components: N/A							

New SP1's (License Provider) may need to be configured in EODC by EMSA, in order to assign EO Services from the new platforms (e.g. GAOFEN-3). Contractor shall provide all needed configuration and/or needed scripts and procedures.

The name and other specific details of this user shall be provided by EMSA during Design Stage.

Acceptance criteria:

- EO services, with service type, for which SP1 was defined as automatic, are automatically assigned to the created SP1- Test Dataset #05- defined in Requirement 25 (EODC-677) of this RfC;
- EO services with service type, for which SP1 was defined to the new SP1, are automatically assigned to the created SP1- Test Dataset #06- defined in Requirement 25 (EODC-677) of this RfC;
- Created SP1s can be assigned to Service Types in POR;
- Created SP1s can be used to query information in Journaling;
- Created SP1s is populated in the EODC databases;
- Task forms can be generated for created SP1s;
- Financial reports can be generated for created SP1s;
- Successful creation of a user account, for SP1 contractor, in EMSA systems;
- Created SP1 user accounts can confirm/reject EO Services in EODC POR;
- Created SP1 user accounts can set anomaly or cancel EO Services in EODC POR;
- At least 1 FWC, at least 3 SC and 3 commitments can be assigned to created SP1;
- Prices and reduction coefficients matrixes can be set-up for created SP1.

2.3 Non-Functional requirements

2.3.1 Capacity

Title: Concurrent processing with new platforms

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-688			19	N/A		Have	
Service: All Services consuming EO data				Version: 1.0			
Application: EODC				Type: Capacity			
Sub-Service: N/A							
Components: N/A							

Requirement EOPROC-1792, of the EO-Processing component, defines the capability requirements related with concurrent acquisitions. This requirement, and further updates to the requirement, shall be extended for the following constellations of platforms:

<ul style="list-style-type: none"> - KOMPSAT-6; - CSG constellation; - GAOFEN-3; - Worldview-Legion constellation.
<p>Acceptance criteria: As defined in the acceptance criteria of EO-Processing component requirement EOPROC-1792 but extended to the following platforms:</p> <ul style="list-style-type: none"> - KOMPSAT-6; - CSG constellation; - GAOFEN-3; - Worldview-Legion constellation.

2.3.2 Performance

Title: EO Processing-timeliness						
Issue	JIRA	Number:	Requirement order ID in RFC:	External Reference:	Priority:	Must
EODC-689			20	N/A	Have	
Service: All Services consuming EO data				Version: 1.0		
Application: EODC				Type: Performance		
Sub-Service: N/A						
Components: N/A						
The defined performance, under requirement EOPROC-1794 (https://support.emsa.europa.eu/browse/EOPROC-1794), shall also be applicable to the SAR and optical imagery received from the following platforms:						
<ul style="list-style-type: none">- KOMPSAT-6;- GAOFEN-3;- CSG constellation.- Worldview Legion constellation						
Acceptance criteria:						
Acceptance criteria as defined in Requirement EOPROC-1794.						

2.3.3 Technical Requirements

Title: Align with Project Delivery							
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-690			21	N/A		Have	
Service: All Services consuming EO data				Version: 1.0			
Application: EODC				Type: Technical			
Sub-Service: N/A							
Components: N/A							
All deliveries, from EODC Contractor, shall be according and follow the most up to date version of Project Delivery.							

Acceptance criteria:

Deliveries are according with Project Delivery.

Title: Scripts

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-691			22	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Technical			
Sub-Service: N/A							
Components: N/A							

In order to implement the requirements, contained in this RFC, at least the following scripts need to be provided by the contractor (for Testing, Pre-production and Production environment):

- Create new SP1 Contractor in EODC databases and to be available in EODC GUI;
- Create new platforms in EODC databases and to be available in EODC GUI.

During Design stage, if identified by EMSA or the contractor, this list may be extended to additional scripts.

Acceptance criteria:

Scripts shall be validated and accepted by EMSA.

Title: Impact of changes in all EO DC components

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-692			23	N/A		Have	
Service: All				Version: 1.0			
Application: EO-DC				Type: Technical			
Sub-Service: N/A							
Components: N/A							

At project design and delivery, statements regarding the impact (or lack of) in all EO DC sub-components (of EO-Processing and CSNDC) shall be analysed and mentioned. In case of impact, the necessary adaptations shall be considered included in the scope of this change request.

Acceptance criteria:

At project design and delivery, statements regarding the impact (or lack of) in all EO DC sub-components is mentioned. In case there is, such changes are considered within the scope of the change request.

2.3.4 Testing and validation

Title: Test and Validation: contractor's responsibilities

Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-693			24	N/A		Have	
Service: All Services consuming EO data				Version: 1.0			
Application: EODC				Type: Testing			
Sub-Service: N/A							
Components: N/A							

The contractor is responsible for:

<ul style="list-style-type: none"> - Compile the requests of test dataset and submit to EMSA; - In case of lack of EO Products, generate additional ones needed to fulfil the test datasets; - Manage the test dataset and make it available to Testing and Validation team at EMSA. - Delivering the test plan and respective test cases scripts/steps (completely automated whenever is technically possible).
Acceptance criteria: Not applicable.

Title: Test and Validation dataset							
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-677			25	N/A		Have	
Service: All Services consuming EO data				Version: 1.0			
Application: EODC				Type: Testing			
Sub-Service: N/A							
Components: N/A							
The following Test Datasets shall be produced or compiled by the contractor:							
Test Dataset #01- Planning files							
Following amount of EO Services (per format/EICD):							
<ul style="list-style-type: none">- 5 different EO Services per platform;- 2 different EO Services with DTO > 5;- 2 different EO Services in NRT delivery time;- 2 different EO Services file in <3 hours delivery time;- 2 different EO Services in <6 hours delivery time;- 2 different EO Services in <24 hours delivery time;- 2 different EO Services for requesting 1 optical orthorectified image;- 2 different EO Services file for each of the following VAPs combinations:<ul style="list-style-type: none">o VDS+EVS;o VDS+OSN;o ACT;o FDS+EFSo CDS+FDS;o EVS+WDS;o EVS;o Without any VAP;o With all VAPs.							
Number of planning files: A planning file can only include 1 EO Service							
Format: EICD: 2.0.0; EICD 1.4.4.							
Test Dataset #02 EO packages							
Following amount of EO Services (per format/EICD):							
<ul style="list-style-type: none">- 5 different EO Services per platform;- Each SAR EO Service must contain the following EO Packages:<ul style="list-style-type: none">o EOP; QNO; QUA and DER.- At least 1 EO service, per platform shall contain the following VAP's combination:							

- VDS+OSN+EVS;
- ACT;
- FDS+EFS;
- CDS+OSN;
- WDS+EVS-

Format: EICD 2.0.0 and EICD 1.4.4

Test Dataset #04 EO packages for Worldview Legion

Following amount of EO Services (per format/EICD):

- 5 different EO Services per platform;
- At least 3 different EO Services for each of the following defined products:
 - True colour RGB Composite- to be used by default;
 - Panchromatic band;
 - Bundle of all bands;
 - Single multispectral band;
 - 3 different RGB composites- to be further defined by EMSA
- Each SAR EO Service must contain the following EO Packages:
 - EOP; QNO; QUA and DER.
- At least 1 EO service, per platform shall contain the following VAP's combination:
 - VDS+OSN+EVS;
 - ACT;
 - FDS+EFS;
 - CDS+OSN;
 - WDS+EVS-

Format: EICD: 2.0.0; EICD 1.4.4.

Test Dataset #05- Planning files

- 1 planning file per platform associated with each created SP1.

Number of planning files: A planning file can only include 1 EO Service

Format: EICD 1.4.4 or EICD: 2.0.0

Test Dataset #06- Planning files

- 1 planning file per platform associated with each created SP1.

Number of planning files: A planning file can only include 1 EO Service

Format: EICD 1.4.4 or EICD: 2.0.0

Acceptance criteria:

Test dataset is correct and according to the specifications of the requirement.

2.3.5 Documentation

Title: Update of Technical Documentation

Issue	JIRA Number:	Requirement order ID in RFC:	External Reference:	Priority:	Must
EODC-694		26	N/A	Have	
Service: All			Version: 1.0		
Application: EODC			Type: Documentation		
Sub-Service: N/A					
Components: N/A					
The contractor shall issue technical documentation that:					
- updates the EODC ICD with the changes to the webservice(s) (if any).					
Acceptance criteria:					
Document shall be accepted by EMSA.					

Title: Update of External Interface Control Document (EICD)

Issue	JIRA Number:	Requirement order ID in RFC:	External Reference:	Priority:	Must
EODC-695		27	N/A	Have	
Service: All			Version: 1.0		
Application: EODC			Type: Documentation		
Sub-Service: N/A					
Components: N/A					
Following the changes contained in this Request for Change, EICD main need to be updated. This shall include (not exhaustive list):					
<ul style="list-style-type: none">- Document: update the naming of platforms/satellites and its acronyms;- Planning file schema: update list of platforms/satellites.					
Potentially, EMSA may request the contractor to update additional documentation on the schema.					
These changes will be reflected in a new version of an EICD (e.g. 2.0.1).					
Acceptance criteria:					
Schemas are according to specifications. This shall be validated by doing a call to the Schema available in EODC.					
Document shall be accepted by EMSA.					

Title: Update of Correspondence matrix between platforms and SP1

Issue	JIRA Number:	Requirement order ID in RFC:	External Reference:	Priority:	Must
EODC-696		28	N/A	Have	
Service: All			Version: 1.0		
Application: EODC			Type: Documentation		
Sub-Service: N/A					
Components: N/A					
Late in 2020, EMSA has documented in a JIRA issue , the traceability between platforms and SP1.					

This documentation shall be migrated from JIRA to a document and updated following the changes brought by this RfC.
Acceptance criteria: Document shall be accepted by EMSA.

Title: Procedure to add new platforms							
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-697			29	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Documentation			
Sub-Service: N/A							
Components: N/A							
In order to add new platforms in EODC, several scripts are needed for configuring these platforms in EODC. Contractor shall provide a document with all the needed steps.							
Acceptance criteria: Document shall be accepted by EMSA.							

Title: Procedure to add new SP1 contractors							
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-698			30	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Documentation			
Sub-Service: N/A							
Components: N/A							
By adding a new platform, a SP1 needs to be configured in EODC and EMSA systems. Contractor shall provide a document with all the needed steps.							
EMSA technical team will be responsible for detailing all the steps needed in other EMSA systems (e.g. IdM; COD).							
Acceptance criteria:							
Document shall be accepted by EMSA.							

Title: Documentation formatting							
Issue	JIRA	Number:	Requirement order ID in RFC:	External	Reference:	Priority:	Must
EODC-699			31	N/A		Have	
Service: All				Version: 1.0			
Application: EODC				Type: Documentation			
Sub-Service: N/A							
Components: N/A							
The documentation referred in requirements 26 (EODC-694), 27 (EODC-695), 28 (EODC-696), 29 (EODC-697) and 30 (EODC-698) of this RfC, shall be sent to EMSA in MS Word format with track changes of all the changes to the document.							
Acceptance criteria:							
Documents must be delivered in MS Word format and with track changes.							