Documentation

Domino-X Earth Observation Project

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# Applicable documents

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| --- | --- | --- | --- | --- |
|  | **Document reference** | **Issue** | **Date** | **Document title** |
| [[AD-1](#scroll-bookmark-4)] | PROP-TMCSF-1000215005-2021 |  |  | Domino-X Proposal |

# References

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Document reference** | **Document title** | **Issue** | **Date** | **Attached document (optional)** |
| [RD-3] | ESA-EOPG-EOPGM-SP-1 | X-band Ground Station ICD (ESA-XBIP) | 1.1 | 07/11/2019 |  |
| [RD-4] | ESA-EOPG-EOPGC-IF-2 | CSC Long Term Archive Interface Control Document (ESA-LTAIP) | 1.7 | 22/10/2021 |  |
| [RD-5] | ESA-EOPG-EOPGC-IF-3 | Production Interface Delivery Point Specification (ESA-PRIP) | 1.4 | 30/04/2020 |  |
| [RD-6] | ESA-EOPG-EOPGC-IF-15 | CADU Interface Delivery Point Specification (ESA-CADUIP) | 1.1 | 11/24/2022 |  |
| [RD-7] | ESA-EOPG-EOPGC-IF-10 | Auxiliary Data Interface Delivery Point Specification (ESA-AUXIP) | 1.2 | 19/04/2021 |  |
| [RD-8] |  | [OGC API](https://docs.ogc.org/is/18-062r2/18-062r2.htm)[processes](https://ogcapi.ogc.org/processes/) | 1.0.0 |  | <https://ogcapi.ogc.org/processes/>  <https://docs.ogc.org/is/18-062r2/18-062r2.html> |
| [RD-9] |  | [OGC Web Processing Service](https://www.ogc.org/standards/wps) | 2.0 |  | <https://www.ogc.org/standards/wps> |
| [RD-10] |  | [OPENAPI](https://www.openapis.org/) | 3.1.0 |  | <https://www.openapis.org/> |
| [RD-11] |  | [OPEN Search](https://www.ogc.org/standards/opensearch) | 1.1 |  | <https://www.ogc.org/standards/opensearch> |
| [RD-12] |  | [STAC Specification](https://stacspec.org/en) | 1.0.0 |  | <https://stacspec.org/en> |
| [RD-13] |  | [Open Data (Odata)](https://www.odata.org/documentation/) | 4.01 |  | <https://www.odata.org/documentation/> |

# Work products

## Needs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Document reference** | **Document title** | **Issue** | **Date** | **Attached document (optional)** |
| DOMX-TN-ADST-1001281343 | Domino-X System High Level Description and Concept of Operations | 1.0 | 06/05/2022 |  |
|  |  |  |  |  |

## Specifications & Guidelines

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Document reference** | **Document title** | **Issue** | **Date** | **Attached document (optional)** |
| DOMX-SP-ADST-1001576904 | Domino-X Pivot Format Definition Document | 1.0 | 13/01/2023 |  |
| DX-GDL-000000001 | Cloud Guidelines | 1.0 | 19/10/2022 |  |

## Justifications and workshop supports

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Document reference** | **Document title** | **Issue** | **Date** | **Attached document (optional)** |
| DOMX-PS-ADST-1001365561 | Domino at a glance | 1 | 28/06/2022 |  |
| DOMX-TN-ADST-1001591482 | Dominoes’ cardinality justification | 1 | 16/02/2023 |  |
| n/a | Loop closing principle diagram |  | 24/01/2023 |  |
| n/a | Image processing breakout |  | 20/05/2022 |  |
| n/a | Interface Guidelines  (TO BE UPDATED) |  | 19/01/2023 |  |
| DOMX-PS-ADST-1001365565 | Overview of the dominoes breakdown  (**DEPRECATED**)  The use-case derivation is now integrated on the Capella model | 1 |  |  |
| n/a | ZARR or COG format principle diagrams |  | 29/11/2022 |  |
| n/a | Services discovering principles |  | 23/11/2022 |  |
| DOMX-PS-ADST-1001365569 | Use-case diagrams  (**DEPRECATED**)  The use-case derivation is now integrated on the Capella model | 2 |  |  |
|  | CGS Dominos Breakdown Structure |  |  |  |
| n/a | [SCRMS] interface justifications |  | 27 mars 2023 |  |
| n/a | [FS] interface justifications |  | 27 mars 2023 |  |
| n/a | Capabilities discovery by [UAS] |  | 23 mars 2023 |  |
| n/a | [MPS] interface justification |  |  | TODO |
| n/a | [FOS]+[CS] interface justification | 1 | 22 juin 2023 |  |
| n/a | [IQS] interface justification | 1 | 21 juin 2023 |  |
| n/a | [ACS] interface justification |  |  | TODO |
| n/a | [FS] renovation justification |  |  | TODO |
| n/a | [OMS] complement justification |  |  | TODO |
| n/a | [UAS] interface justification |  |  | TODO |
| n/a | [FDS] interface justification |  |  | TODO |
| n/a | [KBDS] interface justification |  |  | TODO |
| n/a | [MAPQS] interface justification |  |  | TODO |
| n/a | [INTS] interface justification |  |  | TODO |
| n/a | [DDS] interface justification |  |  | TODO |

## Presentations

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Document reference** | **Document title** | **Issue** | **Date** | **Attached document (optional)** |
| n/a | WP3.1 presentation  (and welcome pack) |  | 06/10/2022 |  |
|  |  |  |  |  |

## Work package 3.1 organisation

|  |  |  |  |
| --- | --- | --- | --- |
| **Document reference** | **Document title** | **Date** | **Attached document** |
|  | **PI planning #2 (April 2022)**  WP 3.1 PI ReviewAndDemo | 19/04/2022 |  |
|  | **PI-planning #3 (July 2022)**  WP 3.1 Achievements overview | 12/07/2022 |  |
|  | **PI-planning #4 (October 2022)**  WP 3.1 PI#3 Achievements overview, and PI#4 planning | 04/10/2022 |  |
|  | **PI-planning #5 (January 2023)**  WP 3.1 PI #4 achievements overview, and PI #5 planning | 10/01/2023 |  |
|  | **PI-planning #6 (April 2023)**  WP 3.1 PI #5 achievements overview, and PI #6 planning | 04/04/2023 |  |
|  | **PI-planning #7 (June 2023)**  WP 3.1 PI #6 achievements overview, and PI #7 planning | 27/06/2023 |  |