Actors

Domino-X Earth Observation Project

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Domino-X System interacts with several actors. These actors are described below and will be part of the Use Cases.

# External actors

|  |  |  |
| --- | --- | --- |
| **Status** | **Role** | **Description** |
| Customer | End User | Final user of the system: institutional customer. (*A clarifier en fonction besoin SLA*) |
| Customer | Second-Hand User | External user that has received an image product through an End User |

# Internal actors (Operators)

|  |  |  |
| --- | --- | --- |
| **Status** | **Role** | **Description** |
| Manager | Operation Manager | Responsible of experts coordination |
| Manager | Technical Manager | Overall technical responsible of the Ground Segment. External  providers technical coordination |
| Level-1 Operator | Level-1 Operator | Overall view of the system, rely then on other specialized operators. |
| Level-1 Operator | Level-1 Security Operator | Overall security monitoring of the system |
| Level- 2 Operator | Level-2 Control | Command & control Expert |
| Level- 2 Operator | Level-2 FDS | Flight Dynamic expert (Orbit det., SKM) |
| Level- 2 Operator | Level-2 E2E System Engineer | E2E System expert, including satellite configuration |
| Level- 2 Operator | Level-2 Image | Image processing Expert |
| Level- 2 Operator | Level-2 Security | Responsible of security: keys management, ciphering equipment, sensing area ctrl. Access, IT access |
| Level- 2 Operator | Level-2 IT | Responsible of overall system and infrastructure supervision. Patch deployment. First level of maintenance (IT + SW) |
| Level- 2 Operator | Level-2 Mission Planning Supervision | Mission planning follow-up Expert |
| Level- 2 Operator | Level-2 Prog. Rqst Management | Programming requests refinement and emergency prog. Request mgmt. |
| Level- 2 Operator | Level-2 Ground Station | Ground Station Expert, including antenna slot booking mgmt. (*to be refined by WP4.6*) |
| Level- 2 Operator | Level-2 IQ | Responsible for the image quality of the system, requests calibration images, provides updated parameters. |
| Level- 2 Operator | Level-2 I.A Quality | Responsible of I.A algorithm outcomes quality assessment. Depending of operational context, is in charge of correcting products / annotations OR to tag bad-quality products |
| Level- 3 Operator | Level-3 DevSecOps Engineer | Part of the dev. Team: Vulnerability monitoring, impact analysis & correction (Cyber or SW bug) |
| Level- 3 Operator | Level-3 MLOps Engineer | Responsible of A.I algorithms lifecycle (Specification through datasets, training, performance assessment, MCO, …) |